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ABSTRACT

This compendium is designed to assist vocational educators in selecting appropriate testing instruments to measure the learning outcomes of their programs. It presents by occupational area basic information on more than 150 validated measures and lists more than 1,200 additional entries in the Vocational Education Curriculum Materials (VECM) database that include evaluation materials. The compendium was drafted following computer searches of three databases: Educational Resources Information Center (ERIC), VECM, and Educational Testing Service (ETS), in addition to letter requests to curriculum coordination centers, instructional materials laboratories, and commercial publishers. Most of the measures verified as field-tested are from three sources: the National Occupational Competency Testing Institute, the Instructional Materials Laboratory at Ohio State University, and the American Institutes for Research. Entries in this guide are organized by the four-digit "Classification of Instructional Programs" system. Listings include descriptions of the tests, addresses of originators, title, developer, educational level, target population, availability, and curriculum center. The compendium is designed for use at all levels of vocational education by those who need to select instruments for use in assessing the outcomes of instructional programs. It should be of most use to those who cannot easily conduct computer searches of the databases that contain the instruments listed in this compendium. Appendices contain an index, examples of VECM documents, and a sample ERIC search strategy. (KC)

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MEASURES OF OCCUPATIONALLY SPECIFIC AND NONOCCUPATIONALLY SPECIFIC KNOWLEDGE AND SKILLS: A COMPENDIUM

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FOREWORD

This compendium is designed to assist vocational educators to select appropriate testing instruments to measure the learning outcomes of their programs. It presents by occupational area basic information on over 150 validated measures and lists over 1,200 addition entries in the Vocational Education Curriculum Materials (VECM) database that include evaluation materials. The compendium should be of most use to test users who do not have ready access to the facilities needed to conduct computer searches of the databases that include these instruments.

Funds to support the development of this compendium were provided by the Office of Vocational and Adult Education, U.S. Office of Education. The compendium was produced in the Evaluation and Policy Division which is directed by N. L. McCaslin. The project staff included Morgan Lewis, Research Scientist, Delina Hickey, Senior Research Specialist, Scott Martin, Graduate Research Associate, and during the first months of the project, Robyn A. Murry, Graduate Research Associate. Vicki Owens served as project secretary and performed the word processing to produce the compendium. Judy Wagner, Shirley Chase, and Rita Horn from the Information Services Division were of major help at various stages of the project.

Additional assistance was provided by Kevin Hollenbeck and Robert Norton who conducted internal reviews of a preliminary draft of the compendium. External reviews were provided by Merle Insko, Curriculum Consultant, Kentucky Department of Education and Ronald D. McCage, Director, Vocational-Technical Consortium of the States. Connie Faddis edited the final draft.

On behalf of the National Center I am happy to acknowledge and express our appreciation to all those who contributed to this report.

Robert E. Taylor
Executive Director
The National Center for Research
in Vocational Education

EXECUTIVE SUMMARY

This report presents the results of a project designed to identify and document objective, field-tested measures of occupationally relevant knowledge and skills. The efforts to identify measures focused on knowledge and skills that can be acquired by participation in an educational experience. This definition excluded measures of occupational aptitude or interest.

To identify appropriate measures, computer searches were made of three databases: Educational Resources Information Center (ERIC), Vocational Educational Curriculum Materials (VECM) and Educational Testing Service (ETS). In addition to these searches, letters were sent to curriculum coordination centers, instructional materials laboratories, and commercial publishers. The original documents identified by the ERIC and ETS searches were examined to verify that they contained field-tested evaluation materials. The VECM search, however, identified so many documents it was beyond the scope of this project to verify all of them. Consequently in presenting the measures selected for this compendium the VECM entries that were not examined are listed separately and only their title and accession numbers are presented.

All entries are organized by the four-digit Classification of Instructional Programs system (Malitz 1981). Most of the measures verified as field-tested are from three sources: the National Occupational Competency Testing Institute, the Instructional Materials Laboratory at The Ohio State University and the American Institutes for Research. Relatively few field-tested measures were verified that were not from these sources.

GUIDE TO USING THIS COMPENDIUM

Rigor, quality, excellence, and accountability are a few of the educational catchwords of the mid-1980s. The climate that these words reflect and the new Federal criteria for evaluating vocational programs have created a renewed interest in assessment. This compendium responds to this interest by assisting test users in identifying field-tested measures of occupationally specific and nonoccupationally specific (i.e., employability) skills and knowledge. The compendium is designed for use at all levels of vocational education by those who need to select instruments for use in assessing the outcomes of instructional programs. It should be of most use to those who cannot easily conduct computer searches of the databases that contain the instruments listed in this compendium.

One way of thinking about the skills important for employment is as a pyramid (see figure 1). In general, the main responsibilities of vocational educators are to teach the skills in the middle two levels. Basic skills are mainly the responsibility of general educators and job specific skills mainly the responsibility of employers.

This compendium focuses on the two middle levels. Most of its entries are at the occupational level. Far fewer measures of employability skills were identified. These two levels constitute the basic organization for the measures listed in this compendium. The entries are limited to objective measures of skills and knowledge that can be acquired through participation in learning experiences. Measures of vocational aptitude or

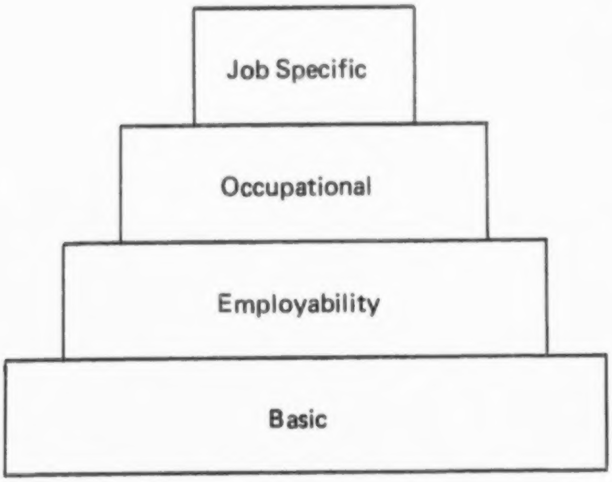

Figure 1. The skill pyramid

interest are not included nor are instruments that consist solely of rating scales.*

Within the employability and occupational skill levels, tests are grouped into verified measures and others. The verified measures are those the project was able to verify as having been field tested. The others category contains those entries in the Vocational Education Curriculum Materials (VECM) database whose documentation indicates that they were field tested and that they include evaluation instruments. The information in VECM, however, does not indicate if the instruments themselves were field tested. Since there are approximately 1200 entries (some entries appear under more than one heading because their instruments may be relevant to more than one content area), it was not possible to review all of the original documents.

The third and last way the entries in this compendium are organized is by A Classification of Instructional Programs (CIP) (Malitz 1981). CIP is the system currently used by the National Center for Education Statistics and by the VECM database. It is designed to classify all educational programs at all levels. Consequently, many of the categories are not relevant to vocational education. Exhibit 1 presents the categories at the CIP four-digit level that have entries in this compendium.

How to Find Tests

Users of this compendium who are familiar with CIP can turn directly to the skill area of interest and examine the tests listed in the separate Verified Field Tested and Other Measures sections. Users who are not familiar with CIP can turn to the alphabetic list of occupational areas in appendix 1, which provides the four-digit CIP category for each area.

The user will note that there is more information provided for the verified instruments. If any of these measures appear appropriate to the user, information on their availability is provided.

For many of the measures, a curriculum coordination center (CCC) is listed. There are six of these centers serving designated regions of the country. Exhibit 2 lists the centers and the States that each serves. If a center is listed, an examination copy of the test can be obtained on a loan basis from that center.

---

* Other sources that include measures of aptitude and interest includes Buros (1978), Center for Employment and Income Studies (n.d.), and Sweetland and Keyser (1983, 1984).

EXHIBIT 1

CATEGORIES FROM THE CLASSIFICATION OF INSTRUCTIONAL PROGRAMS (CIP) THAT HAVE ENTRIES IN THIS COMPENDIUM

Agricultural Business & Management
01.01

Agricultural Production
01.03

Agricultural Products & Processing
01.04

Agricultural Services & Supplies
01.05

Business & Management, General
06.01

Accounting
06.02

Banking and Finance
06.03

Business Economics
06.05

Human Resources Development
06.06

Organizational Behavior
06.15

Small Business Management & Ownership
06.18

Accounting, Bookkeeping, & Related Programs
07.01

Banking and Related Financial Programs
07.02

Business Data Processing & Related Programs
07.03

Personnel & Training Programs
07.05

Secretarial & Related Programs
07.06

Typing, General Office, & Related Programs
07.07

Business and Office, Other
07.99

Apparel and Accessories Marketing
08.01

Business and Personal Services Marketing
08.02

Entrepreneurship
08.03

Food Marketing
08.06

General Marketing
08.07

Home & Office Productions Marketing
08.05

Hospitality & Recreation Marketing
08.09

Vehicles & Petroleum Marketing
08.12

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

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EXHIBIT 1-- Continued

Communications, General
09.01

Communications, Other
09.99

Quality Control & Safety Technologies
15.07

Mechanical & Related Technologies
15.08

Mining & Petroleum Technologies
15.09

Dental Services
17.01

Diagnostic & Treatment Services
17.02

Medical Laboratory Technologies
17.03

Mental Health/Human Services
17.04

Misc. Allied Health Services
17.05

Nursing-Related Services
17.06

Allied Health, Other
17.99

Emergency/Disaster Science
18.05

Home Economics, General
19.01

Family/Consumer Resource Management
19.04

Individual & Family Development
19.07

Textiles & Clothing
19.09

Consumer and Homemaking Home Economics
20.01

Child Care & Guidance Management & Services
20.02

Clothing, Apparel, & Textiles Management, Production, & Services
20.03

Food Production, Management, and Services
20.04

Home Furnishings & Equipment, Management, Production, and Services
20.05

Industrial Arts
21.01

Interpersonal Skills
35.01

Personal Awareness
37.01

Brickmasonry, Stonemasonry, & Tile Setting
46.01

Carpentry
46.02

Electrical & Power Transmission Installation
46.03

EXHIBIT 1--Continued

Misc. Construction Trades
46.04

Plumbing, Pipefitting, &
Steamfitting
46.05

Electrical & Electronics
Equipment Repair
47.01

Heating, Air Conditioning &
Refrigeration Mechanics
47.02

Industrial Equipment
Management, & Repair
47.03

Misc. Mechanics & Repairers
47.04

Vehicle & Mobile Equipment
Mechanics and Repairers
47.06

Drafting
48.01

Graphic & Printing
Communications
48.02

Leatherworking & Upholstering
48.03

Precision Food Production
48.04

Precision Metal Work
48.05

Precision Work, Assorted
Materials
48.06

Woodworking
48.07

Vehicle & Equipment Operation
49.02

Design
50.04

EXHIBIT 2

CURRICULUM COORDINATION CENTERS OF THE NATIONAL NETWORK OF CURRICULUM COORDINATION FOR VOCATIONAL AND TECHNICAL EDUCATION

East Central

Delaware, District of Columbia, Illinois, Indiana, Maryland, Michigan, Minnesota, Ohio, Pennsylvania, Virginia, West Virginia, Wisconsin

Rebecca S. Douglas, Director
Sangamon State University
Springfield, IL 62708
(217) 786-6375

Midwest

Arkansas, Iowa, Kansas, Louisiana, Missouri, Nebraska, New Mexico, Oklahoma, Texas

Robert Patton, Director
1515 West Sixth Avenue
Stillwater, OK 74074
(405) 377-2000

Northeast

Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Puerto Rico, Rhode Island, Vermont, Virgin Islands

Martha Pocsi, Director
Rutgers University
200 Old Matawan Road
Old Bridge, NJ 08857
(201) 390-1191

Northwest

Alaska, Colorado, Idaho, Montana, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming

William Daniels, Director
Saint Martin's College
Old Main Building, Room 474
Lacey, WA 98503
(206) 438-4456

Southeast

Alabama, Florida, Georgia Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

James C. McCully, Director
Mississippi State University
Drawer DX
Mississippi State, MS 39762
(601) 325-2510

Western

American Samoa, Arizona, California, Guam, Hawaii, Nevada, Trust Territories of the Pacific Islands

Lawrence F. H. Zane, Director
University of Hawaii at Manoa
1776 University Avenue
Honolulu, HI 96822
(808) 948-7834

In the Other Measures sections, only the VECM accession numbers and the test titles are listed. If the user wishes further information on any of these tests, the accession number is the key. The full documentation can be obtained from the Bibliographic Retrieval Service (BRS), from a curriculum coordination center or from the National Center for Research in Vocational Education (NCRVE). Appendix 2 reproduces the documentation for four entries in the Other Measures sections in order to give the user a sense of the information that is available.

The most direct way to access VECM is through the (BRS) using a personal computer and modem. BRS maintains online databases that can be searched on a fee basis. Users who do not have access to this service can request VECM documentation from the curriculum coordination center serving their States or from the NCRVE. All that users needs to do is make a telephone call indicating the accession numbers of the tests in which they are interested.

Information on the Tests

Users should note that most of the verified, field-tested instruments were developed at three institutions: The National Occupational Competency Testing Institute (NOCTI), the American Institutes for Research (AIR), and the Instructional Materials Laboratory, The Ohio State University. The information about the tests from these three sources is summarized in the following section rather than being repeated with each entry.

National Occupational Competency Testing Institute

About half of the verified, field-tested instruments are from NOCTI. Of the 75 tests from this source, the 50 Teacher Occupational Competency Tests are intended for use with experienced workers who are applying for teaching positions in vocational education programs. They are designed to certify that the applicants have adequate mastery of the occupations they would like to teach. The other tests from NOCTI, the Student Occupational Competency Achievement Tests, are specifically designed to be used to measure students' occupational knowledge and skills.

The NOCTI tests have both written and performance measures. The student tests from NOCTI all have 3-hour written tests and performance tests that range from 40 minutes to 4 1/2 hours. Most of the performance tests (23 of the 25) take about 3 hours. The written part of the teacher tests from NOCTI also take 3 hours, but most of the performance tests are longer taking 4, 5, and a few even 6 hours to complete.

The teacher tests are administered by testing centers in each of the States. A list of these centers is available from NOCTI. The student tests can be administered by a school personnel with the assistance of advisory committee members or other occupational experts, if so desired. Some of the NOCTI tests are reviewed in Buros (1978) entries 1129 through 1153 on pages 1712 to 1735.

For more information on the NOCTI tests contact--

National Occupational Competency Testing Institute
318 Johnson Hall
Ferris State College
Big Rapids, MI 49307
(616) 796-4695

NOTE: Users of NOCTI tests must assure the security of the tests and return all testing materials. Users purchase a testing service, not the actual test materials.

American Institute for Research

The AIR tests consist of written and performance sections. The written sections are in two parts, each of which takes about 45 minutes to administer. The performance sections are untimed. Testing time ranges from approximately 1 1/2 to 3 hours, depending on the proficiency of the student.

The AIR tests also include a Work Habits Inventory. This consists of 3 questionnaires each containing the same 49 rating scales. The student completes two of the questionnaires first with reference to "how you think the average employer wants employees to behave" and second with reference to "the extent to which each of the descriptions applies to you." The teacher completes the third questionnaire describing "the extent to which each of the descriptions below applies to this student." The developer recommends that the ratings be compared across questionnaires and to employers' ratings of the relevance of the items.

The AIR tests can be obtained on loan from the Western CCC or ordered from--

American Association for Vocational Instructional
Materials (AAVIM)
120 Driftmier Engineering Center
Athens, GA 30602
(404) 542-2586

Ohio Vocational Achievement Tests

The Ohio tests are written tests designed to measure students' occupational knowledge and skills. They consist of two parts and each takes from 2 to 2 1/2 hours to complete. The developer recommends that the parts be administered on separate consecutive days.

The Ohio tests also include the California Short Form Test of Academic Aptitude, which takes 1 hour for completion. The developer recommends that this be administered so the achievement percentiles of students can be compared to their aptitude percentiles. This is possible because both tests are normed on the same population. One of the Ohio tests is reviewed in Buros (1978), entry 1160 on page 1736.

For more information on the Ohio Tests, contact--

Instructional Materials Laboratory (IML)
The Ohio State University
154 West 12th Avenue
Columbus, OH 43210
(614) 422-5001

NOTE: Users of the Ohio tests must assure the security of the tests and return all testing materials. Users purchase a testing service, not the actual test materials.

Other Sources

Vocational-Technical Education Consortium of States (V-TECS). V-TECS is developing a databank of criterion-referenced test items for many of the occupations in its catalogs. These catalogs are derived from task analyses of over 150 specific occupations. Approximately 30 test itembanks are scheduled to be available to users by the fall of 1986 in both computer softwear and hardcopy form.

For more information contact--

Vocational-Technical Education
  Consortium of States
795 Peachtree Street, N.E.
Atlanta, GA 30365
(404) 897-6158

IDECC. IDECC is the national curriculum center for marketing education. It maintains a databank of test items for marketing occupations. These are available to users on a fee basis. Multiple choice test questions are currently being transferred to microcomputer software and are available in several formats.

Questions may be accessed by individual competency or by occupation and level. The IDECC item bank has a "descriptive test key" that provides a rationale and reference for each question.

For more information contact--

IDECC: The Ohio State University
1564 West First Avenue
Columbus, OH 43212
(614) 486-6708

Vocational and Occupational Information Center for Educators (VOICE). A few of the evaluation instruments contained in curriculum materials were not entered in VECM. These were listed in a computer search provided to this project by VOICE.

There are two major sources of these instruments. The first is the California Department of Education, which operates VOICE, contact at--

California Department of Education
721 Capitol Mall
Sacramento, CA 95814
(916) 445-0401

The second is at the University of Texas and can be contacted at--

Extension Instruction and Materials Center
P.O. Box 7218
The University of Texas at Austin
Austin, TX 78713
(512) 471-7716

Educational Resources Information Center (ERIC). Sixteen of the entries in this compendium were identified by a search of the ERIC database. The search strategy is described in appendix 3. Microfiche copies of these instruments can be examined at any library that maintains the ERIC microfiche collection. The accession (ED) number for these entries is entered in the documentation under availability.

To purchase microfiche or hard copies of the ERIC documents contact--

ERIC-Document Reproduction Service
3900 Wheeler Avenue
Alexandria, VA 22304
(800) 227-3742

Disclaimer

The inclusion or exclusion of a testing instrument from this compendium does not imply any judgment by the National Center as to the quality of any instrument or its suitability for various purposes.

Several steps were taken to attempt to locate all measures that met the project's criteria. For example, an ERIC search was conducted using occupational and employability related descriptors in the ERIC *Thesaurus*, together with descriptors on tests and evaluation. (See appendix 3 for a full description of the search strategy.) The VECM database was also searched for all print material that had the following parts indicated: evaluation instrument or criterion-referenced evaluation and field-tested/validated. In addition, letters were sent to instructional materials centers, curriculum coordination centers, and commercial publishers. These letters requested nominations of tests that were not documented on computer-searchable databases.

Despite these steps, some measures that should have been included may not have been identified. The most likely reason is the way they were described in the database documentation. For example, the initial search of VECM did not identify the AIR tests even though they are in this database. The AIR tests were not located because "field-tested/validated" had not been indicated for these tests. Conversely the search of the Educational Testing Service (ETS) database identified nine "Short Occupational Knowledge Tests" that are no longer available from the publisher, Science Research Associates. Personal contact with the publisher indicated these tests had been withdrawn from publication because they were outdated.

The ERIC search yielded 397 documents that had evaluation materials or tests indicated. Evidence of field testing of the instruments could be verifed, however, for only 16 of these documents. Users who are aware of measures that should be included in the VECM database should bring these to the attention of the curriculum coordination centers that serve their States or the VECM coordinator at the National Center.

Guide to Documentation

The following information is provided for all verified measures:

- o *Title of material*: Title taken from instrument or curriculum set, sometimes abbreviated.

- Developer: Organization or individual that developed the instrument.
- Educational Level: Grade levels 9-14 and higher education.
- Target population: Regular, disadvantaged, or handicapped.
- Availability: Sale or loan if on file with a curriculum coordinator center (CCC).
- Center code: Initials of CCCs

  -EC = East Central
  -NW = Midwest
  -NE = Northeast
  -NW = Northwest
  -SE = Southeast
  - W = Western

See exhibit 2 for addresses of CCCs. Following the CCC initials is the four digit Classification of Instructional Programs Code for the instrument.

OCCUPATIONALLY SPECIFIC SKILLS AND KNOWLEDGE: VERIFIED MEASURES IN THE VOCATIONAL EDUCATION CURRICULUM MATERIALS (VECM) DATABASE

AGRICULTURE

Agribusiness and Agricultural Production

Agricultural Business and Management (01.01)

Title of material: Competency Test Items for Fundamentals of Agribusiness & Nat. Res. Occupations
Developer: Florida University, Gainesville Inst. of Food & Agricultural Sci.
Educational level: 9-10
Target population: Regular
Availability: Sale ERIC ED230768
Center code: SE 01.01

Agricultural Mechanics (01.02)

Title of material: Vocational Competency Measures: Farm Equipment Mechanic
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-12, 13-14 Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 01.02

Title of material: Student Occupational Competency Achievement Testing: Agriculture Mechanics
Developer: National Occupational Competency Testing Institute
Educational level: 11-12, 13-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 01.02

Agricultural Production (01.03)

Title of material: Competency Test Items for Applied Principles of Agribusiness and Natural Resources Occupations. Agricultural Production Component.
Developer: Florida University, Inst. of Food & Agricultural Sciences
Educational level: 9-10
Target population: Regular
Availability: Sale ERIC ED230771
Center code: SE 01.03

Horticulture (01.06)

Title of material: Student Occupational Competency Achievement Testing: Horticulture
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 01.06

Plant Sciences (02.04)

Title of material: Vocational Competency Measures: Agricultural Chemicals Applications Technician
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: WE 02.04

BUSINESS

Business and Office

Accounting, Bookkeeping and Related Programs (07.01)

Title of material: Student Occupational Competency Achievement Testing: Accounting/Bookkeeping
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 07.01

Secretarial and Related Programs (07.06)

Title of material: Vocational Competency Measures: Word Processing Specialist
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 07.06

Title of material: Lembrecht Shorthand Aptitude Test & Teacher's Manual
Developer: Dept. of Voc. & Tech. Education, Univ. of Minnesota
Educational level: 9-10, 11-12
Target population: Regular
Availability: Sale ERIC ED200641
Center code: EC 07.06

Typing, General Office, and Related Programs (07.07)

Title of material: Student Occupational Competency Achievement Testing: General Office
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 07.07

Title of material: Final Report on the Development of Essential Competencies & Matching Evaluation Instruments for Evaluating the Performance of First-Year Typewriting Students in the High Schools of Pennsylvania
Developer: Robert Morris Coll., Business Teacher Education Department
Educational level: 9-10, 11-12
Target population: Regular
Availability: Sale ERIC ED164566
Center code: EC 07.07

Title of material: Performance Tests for Typewriting & VOE Teachers for Measuring Various Achievement Levels
Developer: Middle Tennessee State University
Educational level: 9-12, 13-14
Target population: Regular
Availability: Sale ERIC ED124716
Center code: SE 07.07

Title of material: Clerical Machine Operator Work Sample
Developer: Shawsheen Valley Regional Vocational-Technical High School
Educational level: 9-10, 11-12
Target population: Handicapped
Availability: Sale ERIC ED236424
Center code: NE 07.07

Marketing and Distribution

Apparel and Accessories Marketing (08.01)

Title of material: Vocational Competency Measures: Apparel Sales
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 08.01

Food Marketing (08.06)

Title of material: Vocational Competency Measures: Grocery Clerk
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 08.06

General Marketing (08.07)

Title of material: Student Occupational Competency Achievement Testing: General Merchandising
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 08.07

Hospitality and Recreation Marketing (08.09)

Title of material: Vocational Competency Measures: Hotel (Motel) Front Office
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 08.09

Title of material: Vocational Competency Measures: Restaurant Service Waiter, Waitress, Cashier
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 08.09

COMMUNICATIONS

Communication Technologies

Communication Technologies (10.01)

Title of material: Teacher Occupational Competency Test: Audio-Visual Communications
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 10.01

COMPUTER AND INFORMATION SCIENCES

Computer and Information Sciences

Computer Programming (11.02)

Title of material: Student Occupational Competency Achievement Testing: Computer Programming
Developer: National Occupational Competency Testing Institute
Educational level: 11-12, 13-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 11.02

Computer and Information Sciences, Other (11.99)

Title of material: Vocational Competency Measures: Computer Operator
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 11.99

CONSUMER, PERSONAL AND MISCELLANEOUS SERVICES

Consumer, Personal and Miscellaneous Services

Personal Services (12.04)

Title of material: Teacher Occupational Competency Test: Cosmetology
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 12.04

ENGINEERING

Engineering and Engineering Related Technologies

Civil Technologies (15.02)

Title of material: Teacher Occupational Competency Test: Civil Technology
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 15.02

Electrical and Electronic Technologies (15.03)

Title of material: Teacher Occupational Competency Test: Computer Technology
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 15.03

Title of material: Teacher Occupational Competency Test: Electronics Technology
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 15.03

Environmental Control Technologies (15.05)

Title of material: Vocational Competency Measures: Wastewater Treatment Technician
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 15.05

Title of material: Vocational Competency Measures: Water Treatment Technician
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 15.05

Mechanical and Related Technologies (15.08)

Title of material: Teacher Occupational Competency Test: Mechanical Technology
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 15.08

HEALTH

Allied Health

Dental Services (17.01)

Title of material: Vocational Competency Measures: Dental Assistant
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: W 17.01

Title of material: Screening Test Battery for Dental Laboratory Specialist Course
Developer: Air Force Human Resources Lab., Brooks AFB
Educational level: 13-14, Higher Education
Target population: Regular
Availability: Sale ERIC ED151425
Center code: MW 17.01

Title of material: The Development of a Proficiency Exam. for Dental Auxiliaries
Developer: Educational Testing Srvc. Ctr Occup. & Professional Assessment
Educational level: 13-14, Higher Education
Target population: Regular
Availability: Sale ERIC ED186440
Center code: NE 17.01

Nursing Related Services (17.06)

Title of material: Student Occupational Competency Achievement Testing: Prac. Nursing
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 17.06

Title of material: Teacher's Guide Competency-Based Ed. Curri. for Lic. Prac. Nurse Assoc.
Developer: Ed. Consultants, WV State Vocational Curriculum Lab
Educational level: 13-14
Target population: Regular
Availability: Sale ERIC ED201845
Center code: EC 17.06

Rehabilitation Services (17.08)

Title of material: Vocational Competency Measures: Physical Therapist Assistant
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 17.08

HOME ECONOMICS

Home Economics

Textiles and Clothing (19.09)

Title of material: Vocational Competency Measures: Fabric Sales
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 19.09

Title of material: Vocational Competency Measures: Custom Sewing
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 19.09

Vocational Home Economics

Clothing, Apparel, and Textiles Management, Production and Services (20.03)

Title of material: Student Occupational Competency Achievement Testing: Sewn Products
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.03

Title of material: Teacher Occupational Competency Test: Power Sewing
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.03

Title of material: Teacher Occupational Comp. Test: Textile Production/Fabrication
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.03

Food Production, Management, and Services (20.04)

Title of material: Student Occupational Comp. Achievement Testing: Commercial Foods
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.04

Title of material: Teacher Occupational Competency Test: Baker
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.04

Title of material: Teacher Occupational Competency Test: Quantity Food Preparation
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.04

Title of material: Teacher Occupational Competency Test: Quantity Foods
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 20.04

Title of material: Occupational Home Economics Education Series: Fast Food Services
Developer: American Home Economics Association, Purdue Univ.
Educational level: 9-14, Adult
Target population: Regular
Availability: Sale ERIC ED155389
Center code: EC 20.04

Title of material: Occupational Home Economics Series. Catering Services
Developer: American Home Economics Association, Purdue Univ.
Educational level: 9-14, Adult
Target population: Regular
Availability: Sale ERIC ED155385
Center code: EC 20.04

TRADE AND INDUSTRIAL

Construction Trades

Brickmasonry, Stonemasonry and Tile Setting (46.01)

Title of material: Student Occupational Comp. Achieve. Testing: Construction Masonry
Developer: National Occupational Competency Testing Institute
Educational level: 11-14
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.01

Title of material: Teacher Occupational Competency Test: Brick Masonry
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.01

Title of material: Teacher Occupational Competency Test: Masonry
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.01

Title of material: Teacher Occupational Competency Test: Masonry Occupations
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.01

Carpentry (46.02)

Title of material: Vocational Competency Measures: Carpenter
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 46.02

Title of material: Student Occupational Competency Achievement Testing: Carpentry
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.02

Title of material: Teacher Occupational Competency Test: Carpentry
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.02

Electrical and Power Transmission Installation (46.03)

Title of material: Student Occupational Comp. Achieve. Testing: Construc. Electricity
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.03

Title of material: Student Occupational Comp. Achieve. Testing: Industrial Electricity
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.03

Title of material: Teacher Occupational Competency Test: Electrical Installation
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.03

Title of material: Teacher Occupational Competency Test: Industrial Electrician
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.03

Miscellaneous Construction Trades (46.04)

Title of material: Teacher Occupational Competency Test: Building Trades Maintenance
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.04

Title of material: Teacher Occupational Comp. Test: Painting and Decorating
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.04

Title of material: Teacher Occupational Comp. Test: Building Construction Occupations
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.04

Plumbing, Pipefitting, and Steamfitting (46.05)

Title of material: Student Occupational Competency Achievement Testing: Plumbing
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.05

Title of material: Teacher Occupational Competency Test: Plumbing
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 46.05

Mechanics and Repairers

Electrical and Electronics Equipment Repair (47.01)

Title of material: Vocational Competency Measures: Electronics Technician
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 47.01

Title of material: Student Occupational Competency Achieve. Testing, Radio & TV Repair
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center Code: EC 47.01

Title of material: Student Occupational Comp. Achieve. Testing: Industrial Electronics
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.01

Title of material: Teacher Occupational Competency Test: Radio/TV Repair
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.01

Title of material: Teacher Occupational Competency Test: Major Appliance Repair
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.01

Title of material: Teacher Occupational Competency Test: Industrial Electronics
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.01

Title of material: Teacher Occupational Competency Test: Electronics Communications
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.01

Heating, Air Conditioning and Refrigeration Mechanics (47.02)

Title of material: Student Occupational Competency Achievement Testing: Refrigeration
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.02

Title of material: Student Occupational Competency Achieve. Testing: Heating/Air Cond.
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.02

Title of material: Teacher Occupational Competency Test: Air Conditioning/Refrigeration
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.02

Title of material: Teacher Occupational Competency Test: Heating
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.02

Title of material: Teacher Occupational Competency Test: Refrigeration
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.02

Vehicle and Mobile Equipment Mechanics and Repairers (47.06)

Title of material: Vocational Competency Measures: Diesel Mechanic
Developer: American Institutes for Research in the Behavioral Sciences
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from AAVIM
Center code: W 47.06

Title of material: Automotive Work Sample
Developer: Shawsheen Valley Regional Vocational-Technical High School
Educational level: 9-12
Target population: Handicapped
Availability: Sale ERIC ED236422
Center code: NE 47.06

Title of material: Automobile Mechanic Assistant Work Sample
Developer: Shawsheen Valley Regional Vocational-Technical High School
Educational level: 9-12
Target population: Handicapped
Availability: Sale ERIC ED236421
Center code: NE 47.06

Title of material: Student Occupational Competency Achievement Testing: Auto Body
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Student Occupational Competency Achieve. Testing: Auto Mechanics
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Student Occupational Comp. Achieve. Testing: Small Engine Repair
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Airframe and Power Plant
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Auto Body Repair
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Automotive Body and Fender
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Auto Mechanic
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Diesel Engine Repair
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Diesel Mechanic
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Small Engine Repair (005)
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Title of material: Teacher Occupational Competency Test: Small Engine Repair (056)
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 47.06

Precision Production

Drafting (48.01)

Title of material: Student Occupational Competency Achievement Testing: Drafting
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.01

Title of material: Teacher Occupational Competency Test: Architectural Drafting
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.01

Title of material: Teacher Occupational Competency Test: Drafting Occupations
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.01

Title of material: Teacher Occupational Competency Test: Machine Drafting
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.01

Graphic and Printing Communications (48.02)

Title of material: Student Occupational Competency Achievement Testing: Printing
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center Code: EC 48.02

Title of material: Teacher Occupational Competency Test: Commercial Art
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center Code: EC 48.02

Title of material: Teacher Occupational Competency Test: Commercial Photography
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center Code: EC 48.02

Title of material: Teacher Occupational Competency Test: Printing (Offset)
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center Code: EC 48.02

Title of material: Teacher Occupational Competency Test: Printing (Letterpress)
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center Code: EC 48.02

Precision Metal Work (48.05)

Title of material: Drill Press Work Sample
Developer: Massachusetts State Dept. of Education, Boston, Massachusetts
Educational level: 9-10, 11-12
Target population: Handicapped
Availability: Sale ERIC ED236427
Center code: NE 48.05

Title of material: Student Occupational Competency Achieve. Testing: Machine Trades
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Title of material: Student Occupational Competency Achievement Testing: Welding
Developer: National Occupational Competency Testing Institute
Educational level: 11-14, Adult
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Title of material: Teacher Occupational Competency Test: Machine Trades
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target Population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Title of material: Teacher Occupational Competency Test: Sheet Metal
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Title of material: Teacher Occupational Competency Test: Tool and Die Making
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Title of material: Teacher Occupational Competency Test: Welding (057)
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Title of material: Teacher Occupational Competency Test: Welding (021)
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.05

Precision Work, Assorted Materials (48.06)

Title of material: Small Parts Assembler Work Sample
Developer: Shawsheen Valley Regional Vocational-Technical High School
Educational level: 9-12
Target population: Handicapped
Availability: Sale ERIC ED236432
Center code: NE 48.06

Woodworking (48.07)

Title of material: Teacher Occupational Competency Test: Cabinet Making and Millwork
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 48.07

Transportation and Material Moving

Vehicle and Equipment Operation (49.02)

Title of material: Teacher Occupational Competency Test: Materials Handling
Developer: National Occupational Competency Testing Institute
Educational level: Higher Education
Target population: Regular
Availability: Loan or Sale from Developer
Center code: EC 49.02

OCCUPATIONALLY SPECIFIC SKILLS AND KNOWLEDGE: VERIFIED MEASURES IN THE EDUCATIONAL TESTING SERVICE (ETS) DATABASE

AGRICULTURE

Agribusiness and Agricultural Production

Agricultural Business and Management (01.01)

Title of material: Ohio Voc. Achievement Tests: Agri. Ed., Farm Mgmt.
Developer: Ohio State Dept. of Education, Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML[1]
Center code: 01.01

Agricultural Mechanics (01.02)

Title of material: Ohio Voc. Achievement Tests: Agri. Ed., Agricultural Mechanic
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 01.02

Agricultural Services and Supplies (01.05)

Title of material: Ohio Voc. Achievement Tests: Agri. Ed., Agri. Business
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 01.05

Horticulture (01.06)

Title of material: Ohio Voc. Achievement Tests: Agri. Ed., Horticulture
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 01.06

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[1] Ohio State Tests are secure and are not available through the curriculum coordination centers.

BUSINESS

Business and Office

Accounting, Bookkeeping and Related Programs (07.01)

Title of material: Ohio Voc. Achievement Tests: Bus. & Ofc. Ed., Acct./Computing Clk.
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 07.01

Secretarial and Related Programs (07.06)

Title of material: Ohio Voc. Achievement Tests: Bus. & Ofc. Ed., Clk.-Stenographer
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 07.06

Typing, General Office and Related Programs (07.07)

Title of material: Ohio Voc. Achievement Tests: Bus. & Ofc. Ed., Gen. Ofc. Clk.
Developer: Ohio State Dept. of Ed., Columbus, Div of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 07.07

Marketing and Distribution

Food Marketing (08.06)

Title of material: Ohio Voc. Achievement Tests: Dist. Ed., Food Marketing
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 08.06

General Marketing (08.07)

Title of material: Ohio Voc. Achievement Tests: Dist. Ed., Gen. Merchandising
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 08.07

Hospitality and Recreation Marketing (08.09)

Title of material: Ohio Voc. Achievement Tests: Dist. Ed., Food Service Personnel
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 08.09

ENGINEERING

Engineering and Engineering-Related Technologies

Electrical and Electronic Technologies (15.03)

Title of material: Certified Electronics Technician Program
Developer: International Society of Certified Electronics Technicians
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale from Developer at 2708 W. Berry, Ft. Worth, Texas 76109
Center code: 15.03

Title of material: Ohio Voc. Achievement Tests: Electronics, Industrial Electronics
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 15.03

Environmental Control Technologies (15.05)

Title of material: Wherf Certification Program for Solid Fuel Safety Technicians
Developer: Wood Heating Education & Research Foundation
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale from Developer at Suite 700, 1101 Connecticut Avenue, N.W., Washington, DC 20036
Center code: 15.05

Title of material: Intermediate Water Examination
Developer: Department of the Navy
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale ERIC ED152502
Center code: 15.05

Title of material: Advanced Water Examination
Developer: Department of the Navy
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale ERIC ED152501
Center code: 15.05

Engineering and Engineering-Related Technologies, Other (15.99)

Title of material: Engineering Technicians Certification Program
Developer: National Institute for Certification in Engineering Technologies
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale from Developer at 2029 K St., N.W., Washington, DC 20006
Center code: 15.99

HEALTH

Allied Health

Dental Services (17.01)

Title of material: Ohio Voc. Achievement Tests: Health Occupations Ed., Dental Assisting
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 17.01

Miscellaneous Allied Health Services (17.05)

Title of material: Ohio Voc. Achievement Tests: Health Occupations Ed., Medical Assisting
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 17.05

Nursing-Related Services (17.06)

Title of material: Ohio Voc. Achievement Tests: Health Occupations Ed, Diverse Health Occs
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 17.06

HOME ECONOMICS

Vocational Home Economics

Child Care and Guidance Management and Services (20.02)

Title of material: Ohio Voc. Achievement Tests: Home Ec. Ed., Nursery School/Teach Aide
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 20.02

Clothing, Apparel, and Textiles Management Production and Services (20.03)

Title of material: Ohio Voc. Achievement Tests: Home Ec. Ed.. Fabric Services
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 20.03

Food Production, Management and Services (20.04)

Title of material: Ohio Voc. Achievement Tests: Home Ec. Ed., Food Services
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 20.04

Title of material: Ohio Voc. Achievement Tests: Personal Services, Cosmetology
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 12.04

Institutional, Home Management, and Supporting Services (20.06)

Title of material: Ohio Voc. Achievement Tests: Home Ec. Ed. Community & Home Srvcs.
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 20.06

TRADE AND INDUSTRIAL

Construction Trades

Brickmasonry, Stonemasonry, and Tile Setting (46.01)

Title of material: Ohio Voc. Achievement Tests: Construction Trades, Masonry
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 46.01

Title of material: Tilesetting Testbook
Developer: Strazicich-Mirko Ed.
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale ERIC ED211847
Center code: 46.01

Carpentry (46.02)

Title of material: Purdue Trade Information Test in Carpentry
Developer: Tiffin, Joseph; Mengelkoch, Robert F.
Educational level: Adult
Target population: Regular
Availability: Sale contact Purdue University Bookstore, 360 State St., W. Lafayette, IN 47906
Center code: 46.02

Title of material: Ohio Voc. Achievement Tests: Construction Trades, Carpentry
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 46.02

Electrical and Power Transmission Installation (46.03)

Title of material: Ohio Voc. Achievement Tests: Construction Trades, Electricity
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 46.03

Title of material: Multistate Electrical Licensing Tests: Journeyman
Developer: Educational Testing Service
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale from Developer at Box 2890, Princeton, NJ 08541
Center code: 46.03

Title of material: Multistate Electrical Licensing Tests: Master/Contractor.
Developer: Educational Testing Service
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale from Developer at Box 2890, Princeton, NJ 08541
Center code: 46.03

Mechanics and Repairers

Electrical and Electronics Equipment Repair (47.01)

Title of material: Ohio Voc. Achievement Tests: Electronics, Communication Prod. Electronics
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 47.01

Heating, Air Conditioning, and Refrigeration Mechanics (47.02)

Title of material: Ohio Voc. Achievement Tests: Construction Trades, Heating, Air Conditioning and Refrigeration
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 47.02

Vehicle and Mobile Equipment Mechanics and Repairers (47.06)

Title of material: Auditory Automotive Mechanics Diagnostic Achievement Test
Developer: Swanson-Richard-Arthur
Educational level: 13-14, Adult
Target population: Regular
Availability: Sale ERIC ED154034
Center code: 47.06

Title of material: Ohio Voc. Achievement Tests: Automotive Auto Body Mechanic
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 47.06

Title of material: Ohio Voc. Achievement Tests: Automotive, Automotive Mechanics.
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 47.06

Title of material: Ohio Voc. Achievement Tests: Automotive, Diesel Mechanic
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 47.06

Precision Production

Drafting (48.01)

Title of material: Ohio Voc. Achievement Tests: Graphic Communications, Drafting
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 48.01

Graphic and Printing Communications (48.02)

Title of material: Ohio Voc. Achievement Tests: Graphic Communications, Commercial Art
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 48.02

Title of material: Ohio Voc. Achievement Tests: Graphic Communications, Lithographic Printing
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 48.02

Precision Metal Work (48.05)

Title of material: Purdue Trade Information Test for Sheetmetal Workers
Developer: Tiffin, Joseph; and others
Educational level: Adult
Target population: Regular
Availability: Sale contact Purdue University Bookstore, 360 State St., W. Lafayette, IN 47906
Center code: 48.05

Title of material: Purdue Trade Information Test in Welding
Developer: Tiffin, Joseph; Griffin, Warren B.
Educational level: Adult
Target population: Regular
Availability: Sale contact Purdue University Bookstore, 360 State St., W. Lafayette, IN 47906
Center code: 48.05

Title of material: Ohio Voc. Achievement Tests: Metal Trades, Mach. Trades
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 48.05

Title of material: Ohio Voc. Achievement Tests: Metal Trades, Sheet Metal
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 48.05

Title of material: Ohio Voc. Achievement Tests: Metal Trades, Welding.
Developer: Ohio State Dept. of Ed., Columbus, Div. of Voc. Ed.
Educational level: 11-12
Target population: Regular
Availability: Sale from OSU, IML
Center code: 48.05

OCCUPATIONALLY SPECIFIC SKILLS AND KNOWLEDGE: OTHER MEASURES IN THE VOCATIONAL EDUCATION CURRICULUM MATERIALS (VECM) DATABASE

(This section lists curriculum
materials that have been
field-tested/validated and
include evaluation instruments.
These evaluation instruments
have not been examined
by project staff.)

AGRICULTURE

Agribusiness and Agricultural Production

Agricultural Business and Management (01.01)

AN002041 Economics and Marketing LAP 1: ECONOMICS AND YOU 01.01

AN002208 Economics and Marketing LAP 17: BUSINESS AND SOCIETY 01.01

AN002209 Economics and Marketing LAP 18: CHANNELS OF DISTRIBUTION 01.01

AN002210 Economics and Marketing LAP 19: GROSS NATIONAL PRODUCT 01.01

AN002211 Economics and Marketing LAP 20: BUSINESS CYCLES 01.01 02

AN002212 Economics and Marketing LAP 22: LABOR UNIONS 01.01

AN002213 Economics and Marketing LAP 21: SPECIALIZATION OF LABOR 01.01

AN002214 Economics and Marketing LAP 23: COLLECTIVE BARGAINING 01.01

AN002215 Economics and Marketing LAP 24: INTERNATIONAL TRADE 01.01

AN002216 Economics and Marketing LAP 15: PRIVATE ENTERPRISE 01.01

AN002217 Economics and Marketing LAP 14: PROMOTIONAL MIX 01.01

AN002218 Economics and Marketing LAP 13: MARKETING STRATEGIES 01.01

AN002219 Economics and Marketing LAP 12: MARKET IDENTIFICATION 01.01

AN002220 Economics and Marketing LAP 11: COMPETITION 01.01

AN002221 Economics and Marketing LAP 10: SUPPLY AND DEMAND 01.01

AN002222 Economics and Marketing LAP 9: MARKET PRICE 01.01

AN002223 Economics and Marketing LAP 8: BUSINESS RISKS 01.01

AN002224 Economics and Marketing LAP 7: PROFITING FROM PROFITS 01.01

AN002225 Economics and Marketing LAP 6: MARKETING FUNCTIONS 01.01

AN002226 Economics and Marketing LAP: The "WHAT" AND "WHY" OF MARKETING 01.01

AN002227 Economics and Marketing LAP 4: ECONOMIC RESOURCES 01.01

AN002228 Economics and Marketing LAP 13: PRODUCT UTILITY 01.01

AN002229 Economics and Marketing LAP 2: ECONOMICS GOODS AND SERVICES 01.01

AN003568 Employment in Agribusiness 01.01

AN002218 Economics and Marketing LAP 13: MARKETING STRATEGIES 01.01

AN002219 Economics and Marketing LAP 12: MARKET IDENTIFICATION 01.01

AN002220 Economics and Marketing LAP 11: COMPETITION 01.01

AN002221 Economics and Marketing LAP 10: SUPPLY AND DEMAND 01.01

AN002222 Economics and Marketing LAP 9: MARKET PRICE 01.01

AN002223 Economics and Marketing LAP 8: BUSINESS RISKS 01.01

AN002224 Economics and Marketing LAP 7: PROFITING FROM PROFITS 01.01

AN002225 Economics and Marketing LAP 6: MARKETING FUNCTIONS 01.01

AN002226 Economics and Marketing LAP: The "WHAT" AND "WHY" OF MARKETING 01.01

AN002227 Economics and Marketing LAP 4: ECONOMIC RESOURCES 01.01

AN002228 Economics and Marketing LAP 13: PRODUCT UTILITY 01.01

AN002229 Economics and Marketing LAP 2: ECONOMICS GOODS AND SERVICES 01.01

AN003568 Employment in Agribusiness 01.01

AN003812 Farm Business Management III 01.01

AN004845 Agriculture Cooperative Training Student Workbook 01.01

AN004892 Supervised Experience Programs 01.01

AN004917 Ranch Employee 01.01

Agricultural Production (01.03)

AN001306 Vocational Agriculture IV 01.03

AN001307 Vocational Agriculture III 01.03

AN001309 Vocational Agriculture I (Revised) 01.03

AN001545 Production Agriculture Competency Profile 01.03

AN004908 V.A.I. Plant Science 01.03

AN004913 Horse Farm Employee 01.03

AN004914 Dairy Farm Worker 01.03

AN004916 Feedlot Employee 01.03

AN004917 Ranch Employee 01.03

AN004932 Methods of Breeding and Breeding Livestock 01.03

AN004934 Teacher's Key for Vocational Agriculture III Student Material Top 01.03

AN004935 Care of Livestock at Parturition 01.03

AN004937 Animal Reproduction 01.03

AN004938 Breeding Systems 01.03

AN004939 Artificial Insemination 01.03

AN004940 Planning Livestock Facilities 01.03

AN004941 Plant Requirements 01.03

AN004942 Inorganic and Organic Fertilizers--Types of Blends 01.03

AN004943 Methods, Rates, and Time of Fertilizer Application and Fert. Reg. 01.03

AN004944 Identification and Control of Plant Diseases 01.03

AN004945 Mechanical Weed Control 01.03

AN004946 Chemical Weed Control 01.03

AN004947 Skeletal and Muscular Systems 01.03

AN004948 Digestive Systems 01.03

AN004949 Feed Nutrients and Classes of Feed 01.03

AN004950 Digestion and Absorption 01.03

AN004951 Rations 01.03

AN004952 Internal Parasites of Livestock and Poultry 01.03

AN004953 Bacterial, Viral, Nutritional, Fungal, and Miscellaneous Diseases 01.03

AN004954 External Parasites of Livestock and Poultry 01.03

AN004977 Injection Procedures 01.03

AN004978 Selecting Beef Cattle 01.03

AN004979 Breeds of Horses 01.03

AN004985 Specific Pathogen--Free Program 01.03

AN004986 V.A. IV Production Agriculture 01.03

AN004987 V.A. III Production Agriculture 01.03

AN004994 Selecting Dairy Cattle 01.03

AN004995 Selecting Sheep 01.03

AN004996 Breeds of Beef Cattle 01.03

AN004998 Disposing of Plant Residue 01.03

AN005007 Classifying and Selecting Fruits and Vegetables 01.03

AN005008 Handling, Grading, and Packing 01.03

AN005009 Harvesting Methods and Equipment 01.03

AN005013 Judging Poultry 01.03

AN005014 Breeds of Poultry 01.03

AN005015 Classes, Breeds, and Varieties of Chickens and Turkeys 01.03

AN005016 Crop Farm Employee 01.03

AN005020 Teacher's Key to Poultry Judging 01.03

AN005021 Poultry Judging Handbook 01.03

AN005025 Managing Soil for Field Crops 01.03

AN005034 Selecting Poultry 01.03

AN005035 Poultry Judging and Poultry and Egg Grading 01.03

AN005036 Maintaining Pure Lines 01.03

Agricultural Products and Processing (01.04)

AN005018 Interior Quality of Eggs: Albumen and Yolk 01.04

Agricultural Services and Supplies (01.05)

AN004847 Agricultural Chemical Sales and Services 01.05

AN004911 Veterinary Assistant 01.05

AN004918 Feed Sales and Service 01.05

AN005017 Fertilizer Sales and Services 01.05

Horticulture (01.06)

AN000110 Horticulture. First Edition 01.06

AN001462 The Greenhouse Worker Teacher Guide 01.06

AN003375 Gardening-Groundskeeping (Disadvantaged - Handicapped): Shrubs 01.06

AN003376 Gardening-Groundskeeping (Disadvantaged - Handicapped): Hand Tools 01.06

AN003377 Gardening-Groundskeeping (Disadvantaged - Handicapped): Tractors 01.06

AN003378 Gardening-Groundskeeping (Disadvantaged - Handicapped): Sowing & Sod 01.06

AN003379 Gardening-Groundskeeping (Disadvantaged - Handicapped): Fertilizer 01.06

AN003380 Gardening-Groundskeeping (Disadvantaged - Handicapped): Lawn Seedbed 01.06

AN003381 Gardening-Groundskeeping (Disadvantaged - Handicapped): Compost 01.06

AN003382 Gardening-Groundskeeping (Disadvantaged - Handicapped): Explr. the Job 01.06
AN003383 Gardening-Groundskeeping (Disadvantaged - Handicapped): Maintenance 01.06

AN003384 Gardening-Groundskeeping (Disadvantaged - Handicapped): Cleaning Grds. 01.06

AN003385 Gardening-Groundskeeping (Disadvantaged - Handicapped): Flowers 01.06

AN003386 Gardening-Groundskeeping (Disadvantaged - Handicapped): Extension 01.06

AN003387 Gardening-Groundskeeping (Disadvantaged-Handicapped): Care of Trees 01.06

AN003388 Gardening-Groundskeeping (Disadvantaged-Handicapped): Insects 01.06

AN003389 Gardening-Groundskeeping (Disadvantaged-Handicapped): Instructor 01.06

AN003390 Gardening-Groundskeeping (Disadvantaged-Handicapped): Lawn Mowers 01.06

AN004846 Propagating Horticulture Plants 01.06

AN004849 Ornamental Horticulture Skill Sheets--Set No. 2 01.06

AN004872 Laboratory Exercises in Greenhouse Operation 01.06

AN004873 Landscape Horticulture Handbook 01.06

AN004887 Landscape Plant Identification 01.06

AN004888 Greenhouse Operations and Management 01.06

AN004889 CVAE-VEH Horticulture 01.06

AN004890 Horticulture Plant Science 01.06

AN004891 Ornamental and Nursery Plant Production 01.06

AN005062 Electrial Applications in the Greenhouse 01.06

Agribusiness and Agricultural Production, Other (01.99)

AN002991 Microcomputer Applications in Agriculture 01.99

Agricultural Sciences

Agricultural Sciences, General (02.01)

AN004986 V.A. IV Production Agriculture 02.01

AN004987 V.A. III Production Agriculture 02.01

Animal Sciences (02.02)

AN000014 Agricultural Livestock Skills. First Edition 02.02

AN000015 Equine Management and Production. First Edition 02.02

AN003986 Animal Science Core Curriculum 02.02

AN004914 Dairy Farm Worker 02.02

AN004932 Methods of Breeding and Breeding Livestock 02.02

AN004933 Economic and Aesthetic Values of and Environmental Factors Affect 02.02

AN004935 Care of Livestock at Parturition 02.02

AN004936 Genetics 02.02

AN004937 Animal Reproduction 02.02

AN004938 Breeding Systems 02.02

AN004939 Artificial Insemination 02.02

AN004940 Planning Livestock Facilities 02.02

AN004947 Skeletal and Muscular Systems 02.02

AN004948 Digestive Systems 02.02

AN004949 Feed Nutrients and Classes of Feed 02.02

AN004950 Digestion and Absorption 02.02

AN004951 Rations 02.02

AN004952 Internal Parasites of Livestock and Poultry 02.02

AN004953 Bacterial, Viral, Nutritional, Fungal, and Miscellaneous Diseases 02.02

AN004954 External Parasites of Livestock and Poultry 02.02

AN004977 Injection Procedures 02.02

AN004978 Selecting Beef Cattle 02.02

AN004979 Breeds of Horses 02.02

AN004985 Specific Pathogen-Free Program 02.02

AN004994 Selecting Dairy Cattle 02.02

AN004995 Selecting Sheep 02.02

AN004996 Breeds of Beef Cattle 02.02

AN005013 Judging Poultry 02.02

AN005014 Breeds of Poultry 02.02

AN005015 Classes, Breeds, and Varieties of Chickens and Turkeys 02.02

AN005018 Interior Quality of Eggs: Albumen and Yolk 02.02

AN005020 Teacher's Key to Poultry Judging Handbook Exercises 02.02

AN005021 Poultry Judging Handbook 02.02

AN005034 Selecting Poultry 02.02

AN005035 Poultry Judging and Poultry and Egg Grading 02.02

Food Sciences (02.03)

AN005007 Classifying and Selecting Fruit and Vegetables 02.03 02

Plant Sciences (02.04)

AN000110 Horticulture. First Edition 02.04

AN003388 Gardening-Groundskeeping (Disadvantaged-Handicapped): Insects 02.04

AN004846 Propogating Horticulture Plants 02.04

AN004849 Ornamental Horticulture Skill Sheets--Set No. 2 02.04

AN004890 Horticulture Plant Science 02.04

AN004907 V.A. II Plant Science 02.04

AN004941 Plant Requirements 02.04

AN004942 Inorganic and Organic Fertilizers--Types of Blends 02.04

AN004943 Methods, Rate, and Time of Fertilizer App. and Fertilizer Regs. 02.04

AN004944 Identification and Control of Plant Diseases 02.04

AN004945 Mechanical Weed Control 02.04

AN004946 Chemical Weed Control 02.04

AN004990 V.A. III Plant Science Transparencies 02.04

AN005008 Handling, Grading, and Packing 02.04

AN005010 Hybridization 02.04

AN005036 Maintaining Pure Lines 02.04

Soil Sciences (02.05)

AN004909 V.A. II Soil Science 02.05

AN004910 V.A. I Soil Science 02.05

AN004919 Soil Classification and Sampling 02.05

AN004968 Basic Soil Nutrients 02.05

AN004969 Uses of Fertilizer and Fertilizer Materials 02.05

AN004970 Importance of Organic Matter 02.05

AN004971 Recognizing Soil Deficiencies 02.05

AN004972 Secondary Nutrients, Micro-nutrients, and Soil pH 02.05

AN004973 Soil Characteristics as Associated with Land Features 02.05

AN004974 Identifying Land Use Classes 02.05

AN004975 Land Judging 02.05

AN004976 Principles of Land Use 02.05

AN004980 Components of Soil and Its Properties 02.05

AN004981 Soil and Water Conservation Measures 02.05

AN004988 V.A. IV Soil Science Transparencies 02.05

AN004989 V.A. III Soil Science Transparencies 02.05

AN005006 Capability Maps and Numbering Systems 02.05

AN005011 Basic Considerations for and Economic Importance of Soil Mgmt. 02.05

AN005012 Agricultural Stabilization and Conservation Service 02.05

AN005019 Evaluating Productivity of the Soil 02.05

AN005022 Watershed Districts and Other Organizations Promoting Soil & Wtr. 02.05

AN005023 Soil Conservation Service and Soil and Water Conservation Dist. 02.05

AN005024 Managing Grassland Soils 02.05

AN005025 Managing Soil for Field Crops 02.05

AN005026 The Use of Soil Maps 02.05

AN005027 Soil Testing Methods and Procedures 02.05

AN005028 Using Soil Test Results 02.05

AN005029 Soil Mapping Units 02.05

AN005030 Land Appraisal 02.05

AN005031 Managing Acid and Alkaline Soils 02.05

AN005032 Managing Saline and Sodic Soils 02.05

Renewable Natural Resources

Conservation and Regulation (03.02)

AN005022 Watershed Districts and Other Org. Promoting Soil & Water Consrva. 03.02

Forestry Production and Processing (03.04)

AN004991 Teacher's Handbook--Harvesting Forestry Products 03.04

AN004915 Forestry Employee 03.04

Wildlife Management (03.06)

AN004933 Economic & Aesthetic Values of and Environmental Factors Affecting Wildlife 03.06

BUSINESS

Business and Management

Business and Management, General (06.01)

AN000580 Business Communications 06.01

AN000557 Practical Business 06.01

Banking and Finance (06.03)

AN001547 Banking and Savings and Loan Competency Profile 06.03

AN001319 Banking and Savings and Loan 06.03

Business Economics (06.05)

AN002041 Economics and Marketing LAP 1: ECONOMICS AND YOU 06.05

AN002207 Economics and Marketing LAP 16: GOVERNMENT AND BUSINESS 06.05

AN002208 Economics and Marketing LAP 17: BUSINESS AND SOCIETY 06.05

AN002209 Economics and Marketing LAP 18: CHANNELS OF DISTRIBUTION 06.05

AN002210 Economics and Marketing LAP 19: GROSS NATIONAL PRODUCT 06.05

AN002211 Economics and Marketing LAP 20: BUSINESS CYCLES 06.05

AN002212 Economics and Marketing LAP 22: LABOR UNIONS 06.05

AN002213 Economics and Marketing LAP 21: SPECIALIZATION OF LABOR 06.05

AN002214 Economics and Marketing LAP 23: COLLECTIVE BARGAINING 06.05

AN002215 Economics and Marketing LAP 24: INTERNATIONAL TRADE 06.05

AN002216 Economics and Marketing LAP 15: PRIVATE ENTERPRISE 06.05

AN002217 Economics and Marketing LAP 14: PROMOTIONAL MIX 06.05

AN002218 Economics and Marketing LAP 13: MARKETING STRATEGIES 06.05

AN002219 Economics and Marketing LAP 12: MARKET IDENTIFICATION 06.05

AN002220 Economics and Marketing LAP 11: COMPETITION 06.05

AN002221 Economics and Marketing LAP 10: SUPPLY AND DEMAND 06.05

AN002222 Economics and Marketing LAP 9: MARKET PRICE 06.05

AN002223 Economics and Marketing LAP 8: BUSINESS RISKS 06.05

AN002224 Economics and Marketing LAP 7: PROFITING FROM PROFITS 06.05

AN002225 Economics and Marketing LAP 6: MARKETING FUNCTIONS 06.05

AN002226 Economics and Marketing LAP 5: The "WHAT" AND "WHY" OF MARKETING 06.05

AN002227 Economics and Marketing LAP 4: ECONOMIC RESOURCES 06.05

AN002228 Economics and Marketing LAP 3: PRODUCT UTILITY 06.05

AN002229 Economics and Marketing LAP 2: ECONOMICS GOODS AND SERVICES 06.05

Human Resources Development (06.06)

AN000555 Job Application and Interview 06.06

Organizational Behavior (06.15)

AN002262 Human Relations LAP 20: INTEREST AND ENTHUSIASM 06.15

AN002261 Human Relations LAP 19: HONESTY AND INTEGRITY 06.15

AN002260 Human Relations LAP 18: SELF-CONTROL 06.15

AN002259 Human Relations LAP 17: EMPATHY 06.15

AN002258 Human Relations LAP 16: ASSERTIVENESS 06.15

AN002257 Human Relations LAP 15: CREATIVITY 06.15

AN002256 Human Relations LAP 14: INITIATIVE 06.15

AN002255 Human Relations LAP 13: PERSONAL APPEARANCE 06.15

AN0254 Human Relations LAP 12: SELF-ESTEEM 06.15

AN002253 Human Relations LAP 11: POSITIVE ATTITUDE 06.15

AN002252 Human Relations LAP 10: PERSONAL TRAITS 06.15

AN002251 Human Relations LAP 9: POSITIVE WORKING RELATIONSHIPS 06.15

AN002250 Human Relations LAP 8: ADJUSTING TO CHANGE 06.15

AN002249 Human Relations LAP 7: GOAL SETTING II 06.15

AN002248 Human Relations LAP 6: GOAL SETTING I 06.15

AN002247 Human Relations LAP 5: ACTING RESPONSIBLY 06.15

AN002246 Human Relations LAP 4: ORDERLY AND SYSTEMATIC BEHAVIOR 06.15

AN002245 Human Relations LAP 3: USING FEEDBACK FOR PERSONAL GROWTH 06.15

AN002244 Human Relations LAP 2: SELF-UNDERSTANDING 06.15

AN002243 Human Relations LAP 1: HUMAN RELATIONS: WHAT, WHY, HOW 06.15

Small Business Management and Ownership (06.18)

AN001314 Business Management and Ownership 06.18

Business and Office

Accounting, Bookkeeping, and Related Programs (07.01)

AN004038 Accounting, Bookkeeping, and Related Programs Competency Profile 07.01

AN000578 Handling Financial Responsibilities in an Office. First Edition 07.01

Banking and Related Financial Programs (07.02)

AN004040 Banking and Related Financial Programs Competency Profile 07.02

AN000470 Insurance Clerk. Vocational Office Education Study Guide. First Edition 07.02

AN000120 Insurance Clerk 07.02

Business Data Processing and Related Programs (07.03)

AN004032 Business Data Processing and Related Programs Competency Profile 07.03

AN002912 Competencies for Articulation Computer Literacy-Data Processing 07.03

AN000347 Information Processing 07.03

Personnel and Training Programs (07.05)

AN001853 Human Relations in Business 07.05

Secretarial and Related Programs (07.06)

AN004732 Managing Dental Office Records 07.06

AN004041 Secretarial and Related Programs Competency Profile 07.06

AN004035 Word Processing Competency Profile 07.06

AN004027 Administrative Support Secretary Competency Profile 07.06

AN004004 Formatting Business Reports. First Edition 07.06

AN002436 Formatting Business Reports. First Edition 07.06

AN002430 Using Resources and References. First Edition 07.06

AN002054 Individualized Shorthand Theory: Student Tests 07.06

AN001854 Basic Skills for Word Processing 07.06

AN001851 Spelling for the Office 07.06

AN000647 Introduction to Word Processing. Vocational Office Education. First Edition 07.06

AN000437 Information Processing 07.06

Typing, General Office, and Related Programs (07.07)

AN004039 Typing, General Office, and Related Programs Competency Profile 07.07

AN004034 Shipping, Receiving, and Stock Clerk Competency Profile 07.07

AN004033 Receptionist and Communication Systems Operations Competency Profile 07.07

AN004004 Formatting Business Reports. First Edition 07.07

AN002436 Formatting Business Reports. First Edition 07.07

AN002434 Managing the Office Environment. First Edition 07.07

AN002433 Math Skills for the Office. First Edition 07.07

AN002432 Office Reprographics. First Edition 07.07

AN002431 Records Management. First Edition 07.07

AN002430 Using Resources and References. First Edition 07.07

AN001860 Office Duplication Practices, Volume III 07.07

AN001859 Office Duplication Practices, Volume II 07.07

AN001858 Office Duplication Practices, Volume I 07.07

AN001857 Spanish Translations for Office Duplication Practices 07.07

AN001856 Typing a Stencil and Correcting a Mistake 07.07

AN001855 Operating Stencil Duplicator 07.07

AN001850 Handling Incoming and Outgoing Mail 07.07

AN001849 Business Telephone Etiquette 07.07

AN001548 Business and Office Competency Profile 07.07

AN000596 Recognizing Skills Necessary for Employment in a Business Office 07.07

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AN003400 Food Preparation I: Pies 20.04

AN003399 Food Preparation I: Cakes 20.04

AN003398 Food Preparation I: Cookies and Puddings 20.04

AN003397 Food Preparation I: Cooking Meats 20.04

AN003396 Food Preparation I: Breakfast 20.04

AN003395 Food Preparation I: Sandwiches 20.04

AN003394 Food Preparation I: Cooking Fruits and Vegetables 20.04

AN003393 Food Preparation I: Salads and Garnishes 20.04

AN003392 Food Preparation I: Preparing Fruits and Vegetables 20.04

AN003391 Food Preparation I: Making and Pouring Beverages 20.04

AN002446 Food Production, Management, and Services: Management 20.04

AN0445 Food Production, Management, and Services: Fast Foods 20.04

AN002444 Food Production, Management, and Services: Baking 20.04

AN002443 Food Production, Management, and Services: Production 20.04

AN002234 Food Production, Management, and Services: Service 20.04

AN002233 Food Production, Management, and Services: Introduction 20.04

AN001609 Food Service Competency Profile 20.04

Home Furnishings and Equipment Management, Production, and Services (20.05)

AN003498 Home Furnishings I: Hems 20.05

AN003497 Home Furnishings I: Bias Strips and Cording 20.05

AN003496 Home Furnishings I: Seams 20.05

AN003495 Home Furnishings I: Hand Sewing 20.05

AN003494 Home Furnishings I: Basting 20.05

AN003493 Home Furnishings I: Fabric Preparation 20.05

AN003492 Home Furnishings I: Ruffles 20.05

AN003491 Home Furnishings I: Valances and Tie Backs 20.05

AN003490 Home Furnishings I: Delivering and Installing Draperies 20.05

AN003489 Home Furnishings I: Drapery Construction 20.05

AN003488 Home Furnishings I: Preparation for Drapery Construction 20.05

AN003481 Home Furnishings I: Curtains 20.05

AN004725 Drafting: Visual Communications Technology Series 20.05

AN003500 Home Furnishings I: Cafe Curtains 20.05

AN003499 Home Furnishings I: Fasteners 20.05

AN003501 Home Furnishings I: Instructor Materials 20.05

AN003487 Home Furnishings I: Place Mats and Tablecloths 20.05

AN003486 Home Furnishings I: Power Sewing Machines 20.05

AN003485 Home Furnishings I: Pillows and Bolsters 20.05

AN003484 Home Furnishings I: Operating and Storing Equipment 20.05

AN003483 Home Furnishings I: Employment 20.05

AN003482 Home Furnishings I: Domestic Sewing Machines 20.05

AN003480 Home Furnishings I: Applying Design Principles to Home Furnishings 20.05

AN000952 Housing and Home Furnishings Modules: Instructor's Guide 20.05

INDUSTRIAL ARTS

Industrial Arts

Industrial Arts (21.01)

AN004997 Shop Safety 21.01

AN004730 Graphic Arts: Visual Communications Technology Series 21.01

AN004728 Computer Applications in Technology 21.01

AN004725 Drafting: Visual Communications Technology Series 21.01

AN004724 Manufacturing Technology 21.01

AN003599 Graphic Arts Curriculum Guide 21.01

AN003592 Electricity Curriculum Guide: Construction Trades 21.01

AN001114 Industrial Arts: Transportation; Competency-Based Curriculum 21.01

TRADE AND INDUSTRIAL

Construction Trades

Brickmasonry, Stonemasonry, and Tile Setting (46.01)

AN004739 Bricklayer and Stonemason 46.01

AN004037 Building Maintenance: Masonry 46.01

AN003820 Advanced Bricklaying Techniques 46.01

AN003591 Masonry Curriculum Guide. Construction Trades 46.01

Carpentry (46.02)

AN004762 Carpenter I 46.02

AN003596 Carpentry Curriculum Guide. Construction Trades 46.02

AN002895 Carpentry II: Instructor's Manual, Supplementals, and Perishables 46.02

AN002894 Carpentry II: Columns, Plaster Lath, and Laying Floors 46.02

AN002893 Carpentry II: Special Doors 46.02

AN002892 Carpentry II: Door and Window Trim, Frame Installation 46.02

AN002891 Carpentry II: Siding and Porches 46. 02

AN002890 Carpentry II: Installing Special Roofs 46.02

AN002889 Carpentry II: Rafters and Dormers 46.02

AN002888 Carpentry II: Special Roofs 46.02

AN002887 Carpentry II: Framing in Masonry, Scaffolds, and Beam Framing 46.02

AN002886 Carpentry II: Joining and Preparing Surfaces 46.02

AN002885 Carpentry II: Planing and Shaping 46.02

AN0884 Carpentry II: Excavation 46.02

AN002883 Carpentry II: Calculation 46.02 02

AN002882 Carpentry II: Drawing 46.02

AN002881 Carpentry II: Cabinets, Closets, and Special Units 46.02

AN0879 Carpentry II: Windows 46.02

AN002878 Carpentry II: Stairs 46.02

AN002877 Carpentry II: Expansion, Pier Forms, Form Maintenance, and Seals 46. 02

AN002876 Carpentry II: Footing and Wall Forms 46.02

AN002875 Carpentry I: Instructor's Manual, Supplementals, Perishables 46.02

AN002874 Carpentry I: Interior Walls and Molding 46.02

AN002873 Carpentry I: Siding 46.02

AN002872 Carpentry I: Cornices 46.02

AN002871 Carpentry I: Shingles 46.02

AN0870 Carpentry I: Flashing Installation 46.

AN002869 Carpentry I: Roof Supports 46.02

AN002868 Carpentry I: Roof Trusses and Gables 46.02

AN002867 Carpentry I: Hip Roofs and Rafters 46.02

AN002866 Carpentry I: Rafters 46.02

AN002865 Carpentry I: Ceilings and Roofing 46.02

AN002864 Carpentry I: Framing Partitions 46.02

AN002863 Carpentry I: Wall Installation, Bracing, Sheathing 46.02

AN002862 Carpentry I: Wall Framing, Openings, Exteriors -Corner Post. 46.02

AN002861 Carpentry I: Flooring 46.02

AN002860 Carpentry I: Supports 46.02

AN002859 Carpentry I: Building Sawhorses and Cutting Irregular Shapes 46.02

AN0858 Carpentry I: Framing Members 46.02

AN002857 Carpentry I: Concrete, Footings, and Anchor Bolts 46.02

AN002856 Carpentry I: Lumber, Layout, and Job Safety 46.02

AN002855 Carpentry I: Use of Tools for Planing 46.02

AN002854 Carpentry I: Saw Types and Power Tool Maintenance 46.02

AN002853 Carpentry I: Squaring Buildings, Batter Boards, Plot Plan Date, & 46.02

AN002852 Carpentry I: Holes, Nails, and Using Levels 46.02

AN002851 Carpentry I: Sharpening Tools 46.02

AN002850 Carpentry I: Setting Up Instruments 46.02

AN002849 Carpentry I: Drawing and Sketching 46.02

AN001883 Commercial Carpentry. (Revised) 46.02

AN001559 Residential Carpentry Competency Profile 46.02

AN001291 Residential Carpentry 46.02

AN000392 Carpentry--Vocational Preparation Curriculum 46.02

Electrical and Power Transmission Installation (46.03)

AN004867 Electrical Wiring 46.03 02

AN004722 Electrician 46.03

AN003804 Industrial Electricity: In-Plant Distribution 46.03

AN003592 Electricity Curriculum Guide. Construction Trades 46.03

AN002496 Air-Conditioning I: Checking Capacitors 46.03

AN002481 Residential Wiring (Revised) 46.03

AN001935 Electromechanical: Student Tests Secondary 46.03

AN001933 Electromechanical: Instructor Guide. Checkpoints Information Secondary 46.03

AN001605 Residential Wiring Competency Profile 46.03

AN001558 Power Line Technician Competency Profile 46.03

AN001317 Job Training and Safety: Volume I 46.03

AN001316 Power Line Technician Training 46.03

AN000811 Introduction to Industrial Electricity--Electronics 46.03

AN000390 Electrical Wiring--Vocational Preparation Curriculum 46.03

Miscellaneous Construction Trades (46.04)

AN005038 Concrete Masonry 46.04

AN004982 Brush and Spray Gun Painting 46.04

AN004959 Concrete--Form Construction, Placing, Finishing, and Curing 46.04

AN004958 Concrete--Estimating the Amount and Mixing 46.04

AN004801 Painter and Paperhanger. Competency Profile 46.04

AN004765 Building Maintenance Repairer 46.04

AN004760 Cabinetmaker 46.04

AN004036 Building Maintenance: Introduction 46.04

AN003593 Construction Trades Related Areas Curriculum Guide 46.04

AN002498 Air Conditioning I: Leveling Cabinets 46.04

AN002170 Building Repairer 46.04

AN001884 General Construction Craftsman 46.04
AN001881 Cement Masonry 46.04

Plumbing, Pipefitting, and Steamfitting (46.05)

AN003598 Plumbing Curriculum Guide. Construction Trades 46.05

AN002495 Air-conditioning I: Repairing Refrigeration Tubing 46.05

AN002494 Air-conditioning I: Replacing Refrigeration Tubing 46.05

AN002493 Air-conditioning I: Repairing Leaks 46.05

AN001604 Residential Plumbing Competency Profile 46.05 02

AN000448 Residential Plumbing 46.05

AN000389 Plumbing--Vocational Preparation Curriculum 46.05

Mechanics and Repairers

Electrical and Electronics Equipment Repair (47.01)

AN004866 Electric Motors 47.01

AN004770 Major Appliance Repairer 47.01

AN004761 Radio and Television Repairer: Servicing 47.01

AN003817 General Industrial Electronics 47.01

AN003816 Applied Industrial Electronics: Sensors-Logic Systems 47.01

AN003805 Industrial Electricity: Motors 47.01

AN002776 Air-conditioning II: Modutrol Motors 47.01

AN002767 Air-conditioning II: Gas Burners 47.01

AN002766 Air-conditioning II: Switches and Controls 47.01

AN002765 Air-conditioning II: Troubleshooting Electrical Circuits 47.01

AN002512 Air-conditioning I: Using Electrical Servicing Equipment 47.01

AN002511 Air-conditioning I: AC Induction Motors and Wiring 47.01

AN002510 Air-conditioning I: Working with Transformers 47.01

AN002509 Air-conditioning I: Checking Characteristics of Alternating Current 47.01

AN002508 Air-conditioning I: Working with Relays and Solenoids 47.01

AN002507 Air-conditioning I: Checking for Magnetism and Electromagnetism 47.01

AN002506 Air-conditioning I: Circuits 47.01

AN002505 Air-conditioning I: Applying Basic Electrical Theory 47.01

AN002504 Air-conditioning I: Measuring Current 47.01

AN002503 Air-conditioning I: Measuring Voltage 47.01

AN002502 Air-conditioning I: Measuring Resistance 47.01

AN002501 Air-conditioning I: Working with Electrical Components, Symbols, & Diagrams 47.01

AN002500 Air-conditioning I: Checking Electricity 47.01

AN002497 Air-conditioning I: Servicing Electric Motors 47.01

AN001935 Electromechanical: Student Tests Secondary 47.01

AN001933 Electromechanical: Instructor Guide. Checkpoints Info. Secondary 47.01

AN001608 Basic Electronics Competency Profile 47.01

AN000452 Basic Electronics I 47.01

AN000443 Basic Electronics II 47.01

Heating, Air-conditioning, and Refrigeration Mechanics (47.02)

AN004800 Automotive Air-conditioning Mechanic. Competency Profile 47.02

AN004767 Automotive Air-conditioning Mechanic. 47.02

AN004750 Introduction to Solar Heating and Cooling Systems 47.02

AN004738 Air-conditioning and Refrigeration Mechanic 47.02

AN002784 Air-conditioning II: Supervising Experience, Perishables, Supplementals and Instructor's Manual 47.02

AN002783 Air-conditioning II: Applying for a job 47.02

AN002782 Air-conditioning II: Ordering Parts from a Catalog 47.02

AN002781 Air-conditioning II: Working with Solid State Devices 47.02

AN002780 Air-conditioning II: Dual Temperature Refrigeration 47.02

AN002779 Air-conditioning II: Crankcases 47.02

AN002778 Air-conditioning II: Evaporative Units 47.02

AN002777 Air-conditioning II: Installing & Checking Packaged Equipment 47.02

AN002776 Air-conditioning II: Modutrol Motors 47.02

AN002775 Air-conditioning II: Determining & Acquiring Equipment 47.02

AN002774 Air-conditioning II: Ice Makers 47.02

AN002773 Air-conditioning II: Repairing Automatic Ice Makers 47.02

AN002772 Air-conditioning II: Evaporative Condensers 47.02

AN002771 Air-conditioning II: Heat Pumps and Controls 47.02

AN002770 Air-conditioning II: Cooling Units 47.02

AN002769 Air-conditioning II: Heating Units and Heat Strips 47.02

AN002768 Air-conditioning II: Heat Exchange and Firestats 47.02

AN002767 Air-conditioning II: Gas Burners 47.02

AN002766 Air-conditioning II: Switches and Controls 47.02

AN002765 Air-conditioning II: Troubleshooting Electrical Circuits 47.02

AN002764 Air-conditioning I: Support Manuals 47.02

AN002763 Air-conditioning I: Servicing Capacitor-Start Capacitor-Run Compressors 47.02

AN002762 Air-conditioning I: Checking and Replacing Potential Motor Starting 47.02

AN002761 Air-conditioning I: Troubleshooting Magnetic Starter and Coil 47.02

AN002760 Air-conditioning I: Air-conditioning Controls 47.02

AN002759 Air-conditioning I: Adjusting Heat Anticipator on Thermostat 47.02

AN002758 Air-conditioning I: Checking Step Down Transformer 47. 02

AN002757 Air-conditioning I: Repairing or Replacing Hot Gas By-Pass Valve 47.02

AN002756 Air-conditioning I: Checking External Equalizer Line 47.02

AN002755 Air-conditioning I: Expansion Valves 47.02

AN002754 Air-conditioning I: Installing a Heat Interchanger (Exchanger) 47.02

AN002753 Air-conditioning I: Adjusting and/or Replacing High Pressure Controls 47.02

AN002752 Air-conditioning I: Adjusting and Replacing Low Pressure Controls 47.02

AN002751 Air-conditioning I: Liquid Receivers 47.02

AN002750 Air-conditioning I: Motor Controls 47.02

AN002749 Air-conditioning I: Checking Crankcase Heater 47.02

AN002748 Air-conditioning I: Repairing or Replacing Solenoid Valve 47.02

AN002747 Air-conditioning I: Trouble-Shooting a Refrigerant System 47.02

AN002746 Air-conditioning I: Checking and Replacing Defrost Timer 47.02

AN002745 Air-conditioning I: Checking Defrost Thermostat 47.02

AN002744 Air-conditioning I: Replacing Defrost Heater 47.02

AN002743 Air-conditioning I: Checking Various Heaters 47.02

AN002742 Air-conditioning I: Replacing Breaker Strips Around Doors 47.02

AN002741 Air-conditioning I: Replacing Thermostat 47.02

AN002740 Air-conditioning I: Replacing Fan 47.02

AN002739 Air-conditioning I: Replacing Air-Cooled Condensers 47.02

AN002738 Air-conditioning I: Checking & Servicing Air-Cooled Condensers 47.02

AN002737 Air-conditioning I: Repairing Leak in Evaporator 47.02

AN002736 Air-conditioning I: Installing Evaporators 47.02

AN002735 Air-conditioning I: Checking Air Circulation Around Unit 47.02

AN002734 Air-conditioning I: Replacing a Hermetic Compressor 47.02

AN002733 Air-conditioning I: Replacing Semi-Hermetic Compressor 47.02

AN002732 Air-conditioning I: Adding and Removing Lubrication Oil 47.02

AN002731 Air-conditioning I: Cleanup After Burnout 47.02

AN002730 Air-conditioning I: Testing Compressor 47.02

AN002729 Air-conditioning I: Checking Operation of Compressor with Service Valves 47.02

AN002728 Air-conditioning I: Checking Open-Type Compressors 47.02

AN002727 Air-conditioning I: Checking and/or Replacing Compressor Overload 47.02

AN002726 Air-conditioning I: Checking and Replacing Current Relays 47.02

AN002725 Air-conditioning I: Replacing Capillary Tube 47.02

AN002724 Air-conditioning I: Correcting Restrictions in Capillary Tube 47.02

AN002723 Air-conditioning I: Replacing Filter-Driers 47.02

AN002721 Air-conditioning I: Tranferring Refrigerants 47.02

AN002722 Air-conditioning I: Charging a Refrigeration System 47. 02

AN002513 Air-conditioning I: Evacuating a Refrigerant System 47.02

AN002512 Air-conditioning I: Using Electrical Servicing Equipment 47.02

AN002511 Air-conditioning I: AC Induction Motors and Wiring 47.02

AN002510 Air-conditioning I: Working with Transformers 47.02

AN002509 Air-conditioning I: Checking Characteristics of Alternating Current 47.02

AN0508 Air-conditioning I: Working with Relays and Solenoids 47.02

AN002507 Air-conditioning I: Checking for Magnetism and Electromagnetism 47.02

AN002506 Air-conditioning I: Circuits 47.02 02

AN002505 Air-conditioning I: Applying Basic Electrical Theory 47.02

AN002504 Air-conditioning I: Measuring Current 47.02

AN002503 Air-conditioning I: Measuring Voltage 47.02

AN002502 Air-conditioning I: Measuring Resistance 47.02

AN002501 Air-conditioning I: Working with Electrical Components, Symbols, & 47.02

AN002500 Air-conditioning I: Checking Electricity 47.02

AN002499 Air-conditioning I: Checking Refrigerant 47.02

AN002498 Air-conditioning I: Leveling Cabinets 47.02

AN002497 Air-conditioning I: Servicing Electric Motors 47.02

AN002496 Air-conditioning I: Checking Capacitors 47.02

AN002495 Air-conditioning I: Repairing Refrigeration Tubing 47.02

AN002494 Air-conditioning I: Replacing Refrigeration Tubing 47.02

AN002493 Air-conditioning I: Repairing Leaks 47.02

AN002492 Air-conditioning I: Purging a Refrigerant System 47.02

AN002491 Air-conditioning I: Adjusting Door on Refrigerators and Freezers 47.02

AN002490 Air-conditioning I: Brazing Joints 47.02

AN002489 Air-conditioning I: Soft Soldering 47.02

AN002447 Air-conditioning and Refrigeration: Domestic Refrigeration 47.02

AN001935 Electromechanical: Student Tests Secondary 47.02

AN001933 Electromechanical: Instructor Guide. Chkpts. Info Secondary 47.02

AN001601 Air-conditioning Competency Profile 47.02

AN000269 Aircraft Environmental Systems Mechanic 47.02

Industrial Equipment Maintenance and Repair (47.03)

AN003808 Highway Maintenance Equipment Operator: Misc. Equipment 47.03

AN003807 Highway Maintenance Equipment Operator: Specialized Equipment 47.03

AN003806 Highway Maintenance Equipment Operator: Basic Core 47.03

AN001886 Millwright 47.03

Miscellaneous Mechanics and Repairers (47.04)

AN004771 Introduction to Hydraulics 47.04

AN000455 Hydraulics 47.04

Vehicle and Mobile Equipment Mechanics and Repairers (47.06)

AN004871 Basic Principles of a Four-Cycle and Two-Cycle Internal Com. Eng. 47.06

AN004800 Automotive Air Conditioning Mechanic. Competency Profile 47.06

AN004799 Brake & Wheel Alignment Mechanic. Competency Profile 47.06

AN004797 Motorcycle Mechanic. Competency Profile 47.06

AN004767 Automotive Air Conditioning Mechanic 47.06

AN004740 Motorcycle Mechanic 47.06

AN004737 Automobile Body Repairer 47.06

AN004736 Diesel Mechanic 47.06

AN004729 Brake and Wheel Alignment Mechanic 47.06

AN004698 Small Engine Repair: Two-Stoke and Four-Stoke Cycle 47.06

AN004697 Chain Saw Repair. Second Ed., Small Engine Repair Series 47.06

AN003815 Automotive Computer Units 47.06

AN003589 Auto Mechanics Curriculum Guide 47.06

AN002848 Auto Body Repair: Instructor's Manual, Perishables, Supplementals 47.06

AN002847 Auto Body Repair: Locks, Power Windows, Grill, Headlamp, Estimate 47.06

AN002846 Auto Body Repair: Trim, Seats, and Accessories 47.06

AN002845 Auto Body Repair: Glass 47.06

AN002844 Auto Body Repair: Frames and Bumpers 47.06

AN002843 Auto Body Repair: Fiber Glass and Body Parts 47.06

AN002842 Auto Body Repair: Metalwork 47.06

AN002841 Auto Body Repair: Paint Finishes 47.06

AN002840 Auto Body Repair: Spray Painting 47.06

AN002839 Auto Body Repair: Surface Preparation 47.06

AN002838 Auto Body Repair: Masking and Painting 47.06

AN002837 Auto Body Repair: Preparation 47.06

AN002836 Auto Body Repair: Welding 47.06

AN002478 Automotive Mechanics 47.06

AN002451 Starting System--Sm. Engine Repair Audiovisual Service, First Edition 47.06

AN002441 Power Trains 47.06

AN002429 Lubrication System-Sm. Engine Repair Audiovisual Series. First Edition 47.06

AN002391 Auto Body Course of Study 47.06

AN002390 Auto Mechanics Course of Study 47.06

AN001606 Comprehensive Small Engine Repair Competency Profile 47.06 02

AN0016 Diesel Engine Mechanics Competency Profile 47.06

AN001557 Auto Mechanics, Emission Control, and Exhaust-Driven Turbocharger 47.06

AN001556 Auto Body Competency Profile 47.06

AN001312 Auto Mechanics I 47.06

AN001293 Auto Body 47.06

AN001311 In-Depth Specialized Automotive Units 47.06

AN001292 Auto Mechanics II 47.06

AN001095 Diesel Mechanics: Electrical Systems 47.06

AN001093 Diesel Mechanics: Fundamentals 47.06

AN001092 Diesel Mechanics: Fuel Systems 47.06

AN000468 Magneto System. Small Engine Repair Audiovisual Series. First Edition 47.06

AN000458 Motorcycle Repair 47.06

AN000457 Snowmobile Repair 47.06

AN000456 Outboard Repair. Second Ed. Small Engine Repair Service 47.06

AN000435 Lawn and Garden Equipment Repair 47.06

AN000269 Aircraft Environmental Systems Mechanic 3ABR42331 47.06

Precision Production

Drafting (48.01)

AN004920 Mechanical Drawings and Drawing Equipment 48.01

AN004766 Mechanical Drafter 48.01

AN004759 Architectural Drafter 48.01

AN004725 Drafting. Visual Communications Technology Series 48.01

AN003805 Industrial Electricity: Motors 48.01

AN003804 Industrial Electricity: In-Plant Distribution 48.01

AN003597 Architectural Drafting Curriculum Guide 48.01

AN003590 Mechanical Drafting Curriculum Guide 48.01

AN002450 Light Commercial Drafting 48.01

AN002449 Pipe Drafting 48.01

AN002448 Electronic Drafting 48.01

AN001607 Basic Drafting Competency Profile 48.01

AN001522 Drafting: Basic Student Tests 48.01

AN001521 Drafting: Advanced Student Tests 48.01

AN001519 Drafting: Advanced-Instructor Guide Checkpoints Information 48.01

AN001110 Vocational Education Competency Test-Item Bank; Technical Drafting 48.01

AN000446 Mechanical Drafting 48.01

AN000445 Basic Drafting: Book One 48.01

AN000444 Basic Drafting: Book Two 48.01

Graphic and Printing Communications (48.02)

AN004769 Commercial Artist 48.02

AN004730 Graphic Arts. Visual Communications Technology Series 48.02

AN003601 Commerical Art Curriculum Guide 48.02

AN003599 Graphic Arts Curriculum Guide 48.02

AN003560 Commercial Photography Curriculum Guide 48.02

AN001603 Graphic Arts Competency Profile 48.02

AN000440 Graphic Arts: Book One 48.02

AN000439 Graphic Arts: Book Two 48.02

AN000438 Graphic Arts: Book Three 48.02

Leatherworking and Upholstering (48.03)

AN004802 Automobile Upholsterer. Competency Profile 48.03

Precision Food Production (48.04)

AN004796 Meatcutter. Competency Profile 48.04

Precision Metal Work (48.05)

AN005060 Farm Arc Welding Procedures 48.05

AN005039 Advanced Oxyacetylene Welding and Brazing 48.05

AN004984 Identifying Common Kinds of Metals and Cutting Metal 48.05

AN004983 Bending and Shaping Metal 48.05

AN004967 Arc Welding--Electrodes 48.05

AN004966 Arc Welding--Weld Joints, Out of Position Welding 48.05

AN004965 Arc Welding--Basic Steps 48.05

AN004964 Arc Welding--Introduction and Fundamentals 48.05

AN004963 Oxyacetylene Welding and Cutting 48.05

AN004962 Power Hacksaw and Metal Bandsaw 48.05

AN004961 Grinder 48.05

AN004955 Drill Press 48.05

AN004862 Heating, Bending, Hardening, Tempering Using an Oxyacetylene Torch 48.05

AN004855 Fasteners for Cold Metal Work 48.05

AN004854 Soldering Procedures, Equipment, and Materials 48.05

AN004848 Gas Tunsten Arc Welding and Gas Metal Arc Welding 48.05

AN004764 Sheet Metal Worker 48.05

AN004763 Machinist 48.05

AN004031 General Metal Trades, Milling Machine Operator 48.05

AN004387 CNC Turning Technician 48.05

AN004031 General Metal Trades, Milling Machine Operator 48.05

AN004030 General Metal Trades, Lathe Operator 48.05

AN0049 GeneraL Metal Trades, Drill Press Operator 48.05

AN004028 General Metal Trades--Welder's Helper 48.05

AN004008 General Metal Trades, Book IV-Welding 48.05

AN004007 General Metal Trades Book III--Sheet Metal, Benchwork, Ornamental Iron 48.05

AN004006 General Metal Trades Book II: Machine Tools 48.05

AN004005 General Metal Trades Book I: Introduction 48.05

AN003997 Machine Shop Lathes 48.05

AN003811 Machine Shop: Grinding Machines 48.05

AN003603 Welding Curriculum Guide 48.05

AN003594 Machine Trades Curriculum Guide 48.05

AN003571 Introduction to Welding 48.05

AN003570 Shielded Metal Arc Welding 48.05

AN003569 Gas Metal Arc Welding and Flux--Cored Arc Welding 48.05

AN003525 Gas Tungsten Arc Welding 48.05

AN002524 Machine Shop Lathes 48.05

AN002490 Air-Conditioning I: Brazing Joints 48.05

AN002489 Air-Conditioning I: Soft Soldering 48.05

AN002442 Advanced Sheet Metal Layout and Fabrication 48.05

AN002440 General Metal Trades Book IV: Welding 48.05

AN002439 General Metal Trades Book II: Machine Tools 48.05

AN002438 General Metal trades Book I: Introduction 48.05

AN002428 General Metal Trades Book III--Sheet Metal, Benchwork, Ornamental Iron 48.05

AN002232 Basic Sheet Metal Layout and Fabrication 48.05

AN002231 Sheet Metal Basics 48.05

AN002230 Architectural Sheet Metal 48.05

AN000111 Machine Shop Volume I. Revised 48.05 02

Precision Work, Assorted Materials (48.06)

AN004785 Optician. Competency Profile 48.06

Woodworking (48.07)

AN004960 Portrable Electric Saws-Circular Saw and Sabre Saw 48.07

AN004957 Bench or Circular Saw 48.07

Transportation and Material Moving

Vehicle and Equipment Operation (49.02)

AN001885 Heavy Equipment
Operator Basic Core
49.02

NONOCCUPATIONALLY SPECIFIC SKILLS AND KNOWLEDGE: VERIFIED MEASURES IN THE VOCATIONAL EDUCATION CURRICULUM MATERIALS (VECM) DATABASE

PERSONAL AND SOCIAL DEVELOPMENT

Basic Skills

Basic Skills (32.01)

Title of material: Performance Skills That Are Important in a Variety of Occupations
Developer: Norwich Board of Education, Connecticut
Educational level: 9-10, 11-12
Target population: Regular
Availability: Sale
Center code: NE 32.01

Title of material: Program for Assessing Youth Employment Skills. Booklet III
Developer: Educational Testing Service
Educational level: 9-10, 11-12
Target population: Disadvantaged
Availability: Sale
Center code: NE 32.01

NONOCCUPATIONALLY SPECIFIC SKILLS AND KNOWLEDGE: OTHER MEASURES IN THE VOCATIONAL EDUCATION CURRICULUM MATERIALS (VECM) DATABASE

(This section lists curriculum materials that have been field-tested/ validated and include evaluation instruments. These evaluation instruments have not been examined by project staff.)

PERSONAL AND SOCIAL DEVELOPMENT

Basic Skills

Basic Skills (32.01)

AN000471 Job-Related Information. Related Instruction for Co-op Part-Time 32.01

AN000472 Basic Life Skills. Related Instruction for Co-op Part-Time Training 32.01

AN000555 Job Application and Interview 32.01

AN000569 Preparing a Resume and Writing a Letter of Application. First Edition 32.01

AN000593 The Job Interview Process. First Edition 32.01

AN000597 Sources to Use When Seeking Employment. First Edition 32.01

AN001831 FFA Leadership and Personal Development--Working with Others 32.01

AN002243 Human Relations LAP 1: HUMAN RELATIONS: WHAT, WHY, HOW 32.01

AN002244 Human Relations LAP 2: SELF-UNDERSTANDING 32.01

AN002245 Human Relations LAP 3: USING FEEDBACK FOR PERSONAL GROWTH 32.01

AN002246 Human Relations LAP 4: ORDERLY AND SYSTEMATIC BEHAVIOR 32.01

AN002247 Human Relations LAP 5: ACTING RESPONSIBLY 32.01

AN002248 Human Relations LAP 6: GOAL SETTING I 32.01

AN002249 Human Relations LAP 7: GOAL SETTING II 32.01

AN002250 Human Relations LAP 8: ADJUSTING TO CHANGE 32.01

AN002251 Human Relations LAP 9: POSITIVE WORKING RELATIONSHIPS 32.01

AN002252 Human Relations LAP 10: PERSONAL TRAITS 32.01

AN002253 Human Relations LAP 11: POSITIVE ATTITUDE 32.01

AN002254 Human Relations LAP 12: SELF-ESTEEM 32.01

AN002255 Human Relations LAP 13: PERSONAL APPEARANCE 32.01

AN002256 Human Relations LAP 14: INITIATIVE 32.01

AN002257 Human Relations LAP 15: CREATIVITY 32.01

AN002258 Human Relations LAP 16: ASSERTIVENESS 32.01

AN002259 Human Relations LAP 17: EMPATHY 32.01

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APPENDIX 2:

EXAMPLES OF VECM DOCUMENTS

AN 003452.
TI Practical Nurse: Respiratory Procedures.
YR 1980.
SA Kentucky Department of Education.
Capital Plaza Tower.
Frankfort, KY 40601.
ST Kentucky.
DV Division of Support Services, Office of Vocational Education.
2024 Capital Plaza Tower.
Frankfort, KY 40601.
SM Health.
Allied-Health.
Nursing-Related-Services.
Practical-Nursing.
EL 11-12; 13-14; Adult.
IU Student; Teacher.
SP Regular.
PM Teaching Guide; Evaluation Material; Learning Module;
Competency-based; Task Analysis; Criterion Referenced Evaluation;
Behavorial Objectives; Individualized, self paced;
Field-tested/Validated; Illustrated.
FO 49 pp.
DN PN-102 Providing for Respiratory Clearance; Module 3-449. PN-103
Suctioning the Respiratory Passage; Module 3-450. PN-104
Instructing and Assisting with Breathing Exercises; Module 3-451.
PN-105 Caring for the Tracheostomy; Module 3-452. PN-106 Inserting
an Oral Airway; Module 3-453. Part of a series for Practical Nurse.
Not self-contained; reference is made to other materials.
CI These materials are not copyrighted. However, Kentucky should be
given a "line of credit" if these materials are reprinted in another
format. Kentucky should be sent written confirmation that this has
been done.
AV Loan 4 weeks (sample for review); Sale $10.00 Module; $10.00
Instructor's manual for entire series.
Division of Support Services, Office of Vocational Education.
2024 Capital Plaza Tower.
Frankfort, KY 40601.
(502) 564-2890.

****

AN 004978.
TI Selecting Beef Cattle.
YR 1985.
SA Texas Education Agency.
201 East 11th Street.
Austin, TX 78701.
ST Texas.
DV Vocational Instructional Services, Texas A & M University.
FE Box 182.
College Station, TX 77843-2588.
SM Agriculture.
Agricultural-Sciences. Agribusiness-Agricultural-Production.
Animal-Sciences. Agricultural-Production.
Animal-Sciences-General. Animal-Production.
EL 9-10; 11-12; 13-14; Adult.
IU Student.
SP Regular.
PM Reference Material; Evaluation Material; Competency-based;
Field-tested/Validated; Illustrated.
FO 12 pp.
DN Catalog Order No. 8005. Includes information on the various
factors considered and various methods of selecting beef cattle.
For teacher's key, order number 4901.
CI All rights reserved.
AV Sale Contact for Price.
Vocational Instructional Services, Texas A & M University.
FE Box 182.
College Station, TX 77843-2588.
(409) 845-6601.

BEST COPY AVAILABLE

AN 004762.
TI Carpenter I.
YR 1982.
SA Texas Education Agency.
201 East 11th.
Austin, TX 78701.
ST Texas.
DV Extension Instruction and Materials Center, University of Texas at Austin.
PO Box 7218.
Austin, TX 78713-7218.
Grimes, L. A. Jr.
SM Trade-Industrial.
Construction-Trades.
Carpentry.
Carpentry.
EL 11-12; 13-14; Adult.
IU Student; Teacher.
SP Regular.
PM Teaching Guide; Textbook; Evaluation Material; Learning Module; Workbook; Competency-based; Criterion Referenced Evaluation; Behavorial Objectives; Individualized, self paced; Field-tested/Validated; Illustrated.
FO 230 pp.
DN A large, well-illustrated, self-contained book that starts carpentry students off. Covers careers, house planning, carpentry mathematics, safety, working drawings, building materials, hand tools, fasteners and hardware, portable power tools, and stationary power tools.
CI Copyrighted, write for permission.
AV Sale Contact for Price.
Extension Instruction and Materials Center, The University of Texas at Austin.
PO Box 7218.
Austin, TX 78713-7218.
(512) 471-7716.

* * *

AN 004004.
TI Formatting Business Reports. First Edition.
YR 1983.
SA Texas Education Agency.
201 East 11th Street.
Austin, TX 78701.
ST Texas.
DV Occupational Curriculum Laboratory.
East Texas State University.
Commerce, TX 75428.
Johnson, Diane.
SM Business.
Business-Office.
Typing-General-Office-Related-Programs. Secretarial-Related-Programs.
Typing-Secretarial-Related-Programs-Other.
EL 11-12; 13-14; Adult; Higher Education.
IU Student; Teacher; Teacher Educator.
SP Regular.
PM Curriculum Guide; Teaching Guide; Reference Material; Evaluation Material; Learning Module; Bibliography; Individualized, self paced; Programmed Instruction; Field-tested/Validated; Illustrated.
NM Audiotape; 45 Min.; Cassette; Slides; 80 Frames; Color.
DN Focuses on formal business reports, memorandum reports, and minutes of meetings. Gives formats used in business rather than the traditional classroom. Based on a research study by Fortune 500 companies.
CI May be copied with written permission from the Occupational Curriculum Laboratory.
AV Loan 4 weeks approval; Sale Contact for prices.
Occupational Curriculum Laboratory.
East Texas State University.
Commerce, TX 75428.
(214) 886-5623.

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APPENDIX 3:

ERIC SEARCH STRATEGY

The following descriptors were used to search ERIC to identify occupationally specific performance measures. The following searches were conducted on April 22, 1985:

Search 1--National surveys or occupational surveys or occupational tests or performance tests or work sample tests or outplacement services (employment) or DT=160 (tests, evaluation instruments)

Number identified = 12,852

Search 2-same as Search 1

AND

Publication year 1975 to present (1985)

Number identified = 9,654

Search 3--(The following are all specific occupational descriptors): agribusiness/DE* or agricultural machinery occupations or agricultural occupations or agricultural production or agricultural supplies or agricultural technicians or aircraft pilots or allied health occupations or allied health personnel or animal caretakers or animal husbandry or appliance repairers or apprenticeships/DE or assembly (manufacturing) or attendants/DE or auto body repair orauto mechanics or aviation mechanics or bakery industry or banking/DE or blue collar occupations or bookkeeping/DE or bricklaying/DE or building trades or business skills or cabinetmaking/DE or carpentry/DE or chemical technicians O child care occupations or clerical/DE or cooks/DE or cooperative education or cosmetology/DE or court reporters or crop processing occupations or custodian training or data processing occupations or dental assistants or dental hygienists or dental technicians or electrical occupations or electronic technicians or emergency medical technicians or emergency squad personnel or engineering technicians or entry workers or environmental technicians or fashion industry or file clerks or finance occupations or floorlayers or floriculture or fluid mechanics or food and drug inspectors or food processing occupations or food service or forestry aides or forestry occupations or glaziers/DE or groundskeepers or home health aides or home economics skills or hospitality occupations or household occupations or household workers or immigration inspectors or inhalation therapists or instrumentation technicians or insurance occupations or laundry/drycleaning occupations or legal assistants or librarians/DE or library technicians or locomotive engineers or machine repairers or machine tool operators or machinists/DE or managerial occupations or manufacturing/DE or marine technicians or masonry/DE or mechanical design technicians or medical assistants or medical laboratory assistants or medical record administrators or medical technologists or metal working or metallurgical technicians or needle trades or nuclear power plant technicians or nurse practitioners or nurses aides or nursery workers (horticulture) or off-farm agricultural occupations or office occupations or ornamental horticulture occupations or physical therapists or physicians assistants or plumbing/DE or public service occupations or radiographers/DE or real estate occupations or refrigeration mechanics or roofing/DE or sales occupations or security personnel or semiskilled occupations or semiskilled workers or service occupations or shop curriculum or shorthand/DE or skilled occupations or surgical technician or technical occupations or television radio repairers or turf management or typewriting/DE or veterinary assistants or watchmakers/DE or welding/DE or woodworking/DE

*DE denotes a one word descriptor or picks up the word (i.e., manufacturing) in any descriptor

Number identified = 17,927

Search 4--same as Search 3

AND

Major (i.e., studies in which the above terms were major descriptors)

Number identified = 11,166

Search 5--same as Search 4

AND

national surveys or occupational surveys or occupational surveys or occupational tests or performance tests or work sample tests or outplacement services (employment) orDT=160 (tests, evaluation instruments)

AND

Publication year 1975 to present (1985)

Number identified = 455

Search 6--secondary education or high schools or postsecondary education or two-year colleges or higher education or adolescents/DE or adults/DE

Number identified = 165,505

Search 7--same as Search 6

AND

The 11,166 studies in which specific occupational descriptors were major descriptors

AND

national surveys or occupational surveys or occupational tests or performance tests or work sample tests or outplacement services (employment) or DT=160 (document tests)

AND

Publication year 1975 to present (1985)

Number identified = 284

Search 8--Occupational tests

AND

Publication year 1975 to present (1985)

secondary education or high schools or postsecondary education or two-year colleges or higher education or adolescents/DE or adults/DE

AND

The 11,166 studies in which specific occupational descriptors were major descriptors

Number identified = 20
Number reviewed = 20

Search 9--Performance tests

AND

Publication year (1975 to present)

AND

secondary education or high schools or postsecondary education or two year colleges or higher education or adolescents/DE or adults/DE

AND

The 11,166 studies in which specific occupational descriptors were major descriptors

Number identified = 54
Number reviewed = 54

Search 10--Work sample tests

AND

Publication year (1975 to present)

AND

secondary education or high schools or postsecondary education or two year colleges or higher education or adolescents/DE or adults/DE

AND

The 11,166 studies in which specific occupational descriptors were major descriptors

Number identified = 12
Number reviewed = 12

Search 11--All studies identified in Search 7, excluding duplications in Searches 8, 9, and 10

Number identified = 211
Number reviewed = 211

The following descriptors were used to search ERIC in order to identify nonoccupationally specific performance measures:

Search 12--employment interviews or employment potential or employee attitudes or job skills

Number identified = 6,652

Search 13--same as Search 12

AND

Major (i.e., studies in which the above terms were major descriptors)

Number identified = 3,462

Search 14--The 3,462 studies in which the nonoccupationally specific descriptors were major descriptors same as Search 13

AND

secondary education or high schools or postsecondary education or two-year colleges or higher education or adolescents/DE or adults/DE

AND

National surveys or occupational surveys or occupational tests or performance tests or work sample tests or outplacement services (employment) or DT=160 (document tests)

Number identified = 128

Search 15--All studies identified in Search 14, excluding duplications from Searches 8, 9, 10, and 11

Number identified = 100
Number reviewed = 100

REFERENCES

Buros, Oscar K. (Ed.) The Eighth Mental Measurement Yearbook. Highland Park, NJ: The Gryphon Press, 1978.

Center for Employment and Income Studies. An Introduction to Competency-Based Employment and Training Programming for Youth under the Job Training Partnership Act. Waltham, MA: Florence Heller Graduate School, Brandeis University. n.d.

Malitz, Gerald S. A Classification of Instructional Programs. Washington, DC: National Center for Education Statistics, U.S. Department of Education, 1981.

Sweetland, Richard C., and Keyer, Daniel J. Tests. Kansas City, MO: Test Corporation of America, 1983.

Sweetland, Richard C., and Keyser, Daniel J. Tests: Supplement. Kansas City, MO: Test Corporation of America, 1984.

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